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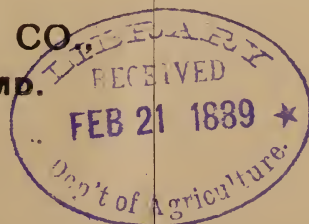
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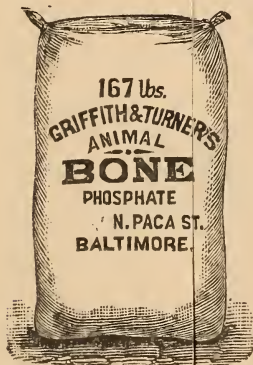
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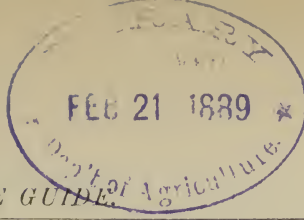
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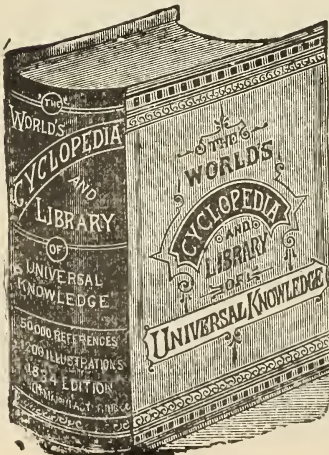
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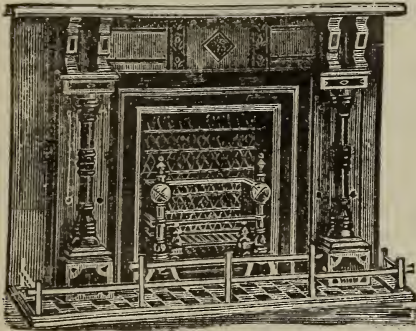
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AND NEW FARM.

Vol. XXVI. BALTIMORE, February 1889.

No. 2.

LIFE.

BY MRS. LOUIS E. AMIS.

Life! What is it? Whence and how and when

Shall be found that which satisfies the soul?
We eat and drink and sleep, and e'en exist; but then

We are not satisfied. The purest, highest goal
Is wanting still: the rich and perfect whole
Is marred and incomplete!

We look to Science first, and vaguely ask
In what "environment" our soul shall find
The "life" it craves. What work or strain or task

Shall thrust perplexing doubts and fears behind,

Shall bring peace to the soul, food to the mind,
And rest to weary feet?

Then to Philosophy with eager quest

We turn, and wonder what she has to give.
Shall "evolution" bring the spirit rest,
Or show the restless mortal how to live?

Shall "Nature" solve the imperious soul's behest,

And lead us up to "life"?

How deep the problem,—sharp the mental cry
For knowledge, truth, and light,—a feverish thirst

That fills the soul with agony,

And strains the heart-strings till they almost burst,

Yet bringing back no echo, but a sigh
For all its useless strife!

Useless, because we look not to the fount

Of "living waters" whence the streams that flow

Are draughts of "life" itself. We fail to count
That "life," because our human vision cannot go

Beyond the world's environment, and mount
Through nature up to God.

Then what is truth? Christ answers, "Learn of me,—

Come unto me, and I will give you rest."

Lord, as the hart, my soul doth pant for thee!

Be thou my Law, my Life,—upon thy breast
Give me environment and love and trust,

My ever-living Lord!

For the Maryland Farmer.

FARMING—EASY WORK.

We often hear that farming is all hard work and little pay. We hear too much of this phase of the occupation. It is an exaggerated statement made for effect, generally. Anything, any occupation, can be made hard work. Brains can make a great revolution in this respect.

Pictures of men of muscle, in rough ill-fashioned clothes, carrying huge hoes and flourishing great handkerchiefs, are made representatives of farmers.

In this way a manifest misconception is given to the farmer's life, and the very popular title of "clod-hopper," occasionally used by those who should have better knowledge and better taste, throws disrespect upon the calling.

Going to the other extreme are the beautiful colored chromos, so liberally used by manufacturers to advertise their agricultural implements, where gaily dressed, fantastically dressed, young ladies sit perched upon some reaper or mower and drive a very spirited looking team of equally gay horses. The whole representing a pleasant ride, equal to any excursion made for pure enjoyment.

No doubt in the days of our grandfathers the farmer's work was largely of a toilsome character. Hard work and plenty of it in the fields, and in the homes, and in the barns was the rule. It need not be so now.

Improvements in every implement needed on the farm have reduced the necessity for hard physical work to such a degree that the farmer's life will compare favorably with that of any other occupation.

The ploughs, the planters, the reapers, the harvesters, hay loaders, the hay carriers, the thrashers and cleaners—in fact, the whole range of outdoor and barn work has been simplified and lightened until it is as

easy as any work where exposure to the ordinary weather is involved. The indoor life, too, by the introduction of creameries, cheese factories, and the many dairy facilities, has been made comparatively easy.

With the vast majority of mankind the struggle for the bare necessities of life involves a large degree of anxiety and care, and work, if not hard in the sense of physical fatigue, is in reality accompanied by such wear and tear of mind and heart as makes a great part of life a burden.

The farmer's addition of hard work, if his physical work is any harder than the run of other occupations, is comparatively relieved from the wear and tear of anxiety as to the actual necessities of life; and this may well offset any unfavorable aspect in this respect.

Taken altogether, in the present condition of the agricultural world, we can conscientiously say that farming is easy work. The actual labors are not more heavy than house-building, or ship-building, or manufacturing, or rail-roading, or any other physical work; and the mind is infinitely more at ease than in any commercial occupation.

Farming is easy work, if you will take advantage of the work by the exercise of a little intelligence and a small part of the improvements made up to this year of 1889. W.

For the Maryland Farmer.

CLEVELAND BAY HORSES.

There being a constantly growing demand for an all-purpose horse, one that can grace the most fastidious phaeton as well as the plow or wagon, we will ask the attention of your many readers to the merits of this noble breed of horses.

Having been used in England for centuries as the gentleman's driving horse, with certain characteristic ideals, they are

established beyond controversy as the only horse without a rival. They have the symmetry and action of the thoroughbred and the strength and size of the draft horse.

The aim that they have been bred for is an invariable bay in color, well-matched in style, and a fixity of size, and action, that is certain to perpetuate itself in reproduction. Although few in numbers in this country, the growing demand for that class of horses which they represent is certain to bring them to the front. Their size ranging in the pure-bred from 16 to 17 hands in height and from 1200 lbs. to 1500 lbs., commend them at once as belonging to that class of horses, that is not only fit for the carriage, but for the wagon and heavy draft as well; for in this Southern latitude the very heavy and cumbersome draft or cart-horse becomes too fatigued under the heat and burden of the day. While the nondescript of the country command only \$200 to \$300 a pair, these crossed upon them will readily bring from \$400 to \$1000 a pair and will match, while in other classes a whole country of 50 miles radius is often scoured to get them alike.

Now that the West is supplying the country with enough cereals to feed all the rest of it, and placing the advantages of raising them elsewhere at a discount, it is wise that other devices be resorted to, to meet the demands of the hard worker of the soil by paying attention to the raising of that class of horses that must fill a demand, particularly in the cities as well as country, where in both places, heavier work and more activity is required than heretofore.

When the balance sheet of the year shows a deficiency, by the regular routine of farming in this country how well supplied might it be, to have a pair of young horses to sell that would bring \$500, in which too is more real pleasure to obtain

and less hard work to raise than in the severer, and more troublesome method of losing constantly by pursuing a regular routine, like "pushing a wagon up hill for an aimless prize."

The Cleveland Bay varies from a bright Golden Bay to a dark mahogany, with occasionally a white heel and a small star. The bay is as certain to follow in the offspring even with grades, as is the white face with Hereford cattle.

Just form a conception of the capacity of a pair of horses of 1400 lbs. each, to draw a wagon a distance of 25 miles and return, (with the clear build of a trotter with no surplus flesh) in comparison with the large cumbersome draft horse of feathery legs and a structure that forbids them to move out of a walk, (to go faster would consign them to the roadside, or for future uselessness.) Of course the heavy draft horse has a usefulness, where slow gait and extreme weight has to be pursued, but for fleetness and for loads that are in general use, the Cleveland Bay will take the palm and do double the work.

We believe them to be the coming horse of the country. If bred to the standard trotters you are as apt to get as good movers, as from trotters themselves; and at the same time have greater size, which make most excellent carriage and family horses. If bred to the draft we have a medium and a general purpose horse, that is far superior to the draft. If bred to the ordinary nondescript of the country that is undersized, you have a horse that is worth double and which will fill a want in the reach of every man. In fact the Cleveland crossed upon any other horse, or class, will improve them, as they have a standard of their own which will improve anything else for the use of general purposes.

Believing that we have not over-rated this grand horse, we would ask that those who are curious about the matter, would

take the trouble to find out what a pure-bred Cleveland and his grades are.

E. C. LEGG.

For the Maryland Farmer.

The Agricultural Department.

The principal matter of interest to the immense agricultural population of this country is the Agricultural Department. This is the badly supported, charily endorsed and sole effort the government makes in aid of the farmer. Manufacturers scoff at it, while merchants and city men pronounce it useless, because it is not for the enrichment of great monopolies or hungry tradesmen. The politician is either openly and contemptuously opposed to this department or looks upon it merely as a place to pay off political debts to other politicians for garnering in the farmer's votes, which elected him. It is perhaps vain to suppose that the politician exists, or ever will exist, who considers any class or interest before himself and his place; or that he will concern himself about the necessities and encouragements of agriculture, until the agriculturist recognizes his own importance and establishes a cast iron rule to support the man who supports him. His representative in Congress should be instructed, indeed required, to promote husbandry by every possible means. Agriculture should have a place in the cabinet—a Secretary of Agriculture. This is essential. The farmer desires some hand in the government which he mainly creates and supports, besides being heavily taxed by it.

The mammoth seed houses lead us to suppose that the Agricultural Department is merely a place for free distribution of cheap and inferior seeds. Such is not the case. On the contrary, under the wise and intelligent administration of Commissioner Colman, it has grown to be one of the most

useful government departments, and by long odds, the most beneficial to the great agricultural majority of the nation.

It must not be forgotten by the farmer, that this department is wholly unlike the mechanical workings of the Treasury, Post Office and other departments, in that it requires careful investigation of scientific character, which can only be conducted by able scientists in the habit of making these experiments.

No man has brought home to the farmers the fact that this is their department, so fully and forcibly as Commissioner Colman. He has evoked applause, and evinced his appreciation of the purpose of this department by making his appointments for the good of agriculture. The division chiefs have accomplished wonders, with the paltry appropriations.

In the seed division the most notable changes and advances have been made by Major Wm. M. King. He has reduced the improvement and testing of seeds to a well comprehended science, by his enthusiastic interest, without which no man can be a benefactor to his place. After passing Major King's tests the seed is unsurpassed in quality, and absolutely reliable. This renders the seed department of vast benefit to the people, who desire the best varieties without being able, like city capitalists, to pay fabulous sums for foreign gardeners to grow them, or send all over the world hunting novelties. An inefficient or unfaithful officer would render this division abortive and the injury done thereby would permeate the agricultural classes, from the rich fancy farmer, whose country place is a toy, to the poor man who lives upon his products and has no other resources. Thus we see at a glance the importance of Major King's thorough work.

In animal diseases Dr. Salmon has proved his ability by his work with pleuropneumonia. The one great, delusive and baffling problem of Hog Cholera, its causes,

prevention and cure, is yet unsolved. Science must be backed by money; let the government give Dr. Salmon money and he unites the two requisites. There is then a chance for our hogs.

The great sugar tests by Dr. Wiley have countless points of deep interest, as a revelation that we may become producers as well as buyers.

Let the government take note that the farmer would like to do more than spend his products in buying groceries and paying taxes. The facts warrant the assertion that the farmer must be vigilant of the real interest of his own agricultural department, and see that every four years it is not carried back to the starting point by new and untrained officers, who merely keep the political mill grinding, without aiding the cause of agriculture or the much taxed, disheartened agriculturist.

INDE.

PROFIT IN CHICKS.

The conclusion of W. H. Rudd in a recent meeting of the Farmers at Ploughman Hall, Boston, Mass., are worthy of especial attention, as Mr. Rudd is one of the most extensive raisers of poultry, making that and its sale the sole business of his life. He says:—

Our object is solely to make money and we have attempted to discover how to make the most money from the business.

Our Experience Is

that more money can be made from chickens than from eggs, and although want of time prevents us from attempting to prove any of our statements we will briefly illustrate:

The most success we have ever had, even in midwinter and under the most unfavorable conditions, using artificial means, of course, for we employ no other, has been to hatch half the eggs and raise 80 per cent of the chicks: or in other words when the

eggs were worth 40 cents a dozen by the case it cost $8\frac{1}{2}$ cents to hatch each chicken which arrived at marketable age; but it reached one and a half pounds April 1st, when it readily brought 40 cents per pound neither drawn nor headed. As the entire cost of hatching and feeding it did not exceed 25 cents, the profit on each chicken (saying nothing about cost of incubators and brooders) was 35 cents. To recapitulate: Our 100 eggs were worth \$3.33. We hatched 50 chicks and raised 40 of them at a cost of \$6.67, making the total cost \$10.00. The total receipts from 40 chicks at 60 cents each, \$24.00. Difference between selling the chicks and the eggs \$14. Or if we have sufficient room and think it desirable, the chicks can be held until the

Last Week In June

when they should dress three and one half pounds each, and bring, within a few cents per pound, as much for roasters as they would have done April 1st for broilers, because what few early chicks were raised have already been disposed of for broilers and the market for large roasters is consequently short. They can be carried to this age at an additional cost of 25 cents or less, making their total cost of 50 cents each, and as they will bring on an average \$1.25 each, the profit on them is \$30. In this case the advantage of setting our eggs instead of selling them is \$26.67 and as neither \$14 nor \$26 grows on every bush, we put it in our pocket at every opportunity.

We cannot raise chicks for market however, on a sufficiently large scale to provide a living income for an ordinary family, so easily by natural as by artificial means. In the first place to have enough brooding hens to hatch so many eggs at the proper time to secure best prices would require a much larger flock than we should care to have. To provide comfortably for a family, pay all bills and have a little surplus you

would probably want to raise no less than 2,000 chickens to market age. If you had as poor luck as already supposed, you would have to set 5,000 eggs to do this, and about 312 hens would be required to cover them. Even if many of the hens are set twice—or a second term—enough mothers must be reserved to care for the chickens so that not less than 250 or 260 hens would be required for sitters and mothers. If you could spare so many for this purpose and still have enough left to furnish eggs, you would have a large flock involving much labor.

In the second place, the disagreeable and tedious labor of preparing so many nests and attending to so many sitters and small broods of chickens would be very much more than we should care to perform. We find incubators very much superior to hens in every way. They are always ready, never forsake their eggs nor exasperate their owner by any of the "ways that are dark and tricks that are vain" incident to the average sitting hen, but hatch chicks on the very day they are wanted, free from lice, which is one half the battle of raising them, and ready for the brooder which contrivance we are vastly more successful with, even in midwinter, than we have ever been with hens.

The selection of stock is of the utmost importance if we are to make money—and for the early broilers and roasters we must have a quickly-growing, yellow-meated chicken; one which at the proper age will not have more legs than body. So with ducks; to be profitable they must be of an improved strain which will grow quickly enough to weigh from eight to ten pounds per pair at nine or ten weeks old, and not of a breed which cannot reach that weight until six months old, by which time the price has dropped 60 per cent.

Many Vermont farmers have started into this business and are growing poultry.

They can make more money from ten to twelve hens than from one of their best cows. Those who raise poultry appear to prosper better than their neighbors. They drive better teams and dress better, especially their wives and daughters. Their buildings are snugged up and have a more thrifty appearance. Now these Vermont farmers have the conditions entirely against them. They have snow on the ground five or six months in the year. The fowls are confined and cannot give as many eggs during the time when high prices prevail. They cannot get chickens out early, and yet can make more money than by other farming. Now I would not advise any man to get fewer cows because he is going to raise poultry. The poultry business should be the supplement to other business. If a man can make more money in the poultry business, why not adopt it? Less than one third of the capital is required. The thing can be concentrated to as little land as possible. If he can make twelve to fifteen per cent on pork he is satisfied.

Many farmers keep pork for the manure. I cannot afford to do that. I keep the Kemp manure spreader for that. A friend kindly offered the other day to give me two nice Poland-China pigs. I politely declined the gift, assuring him that the first thing I should do would be to sell them. I cannot afford to keep pork. So it is with beef, one has to wait two years to get his money back, and is satisfied if he makes twelve or fifteen per cent. One can grow poultry artificially easier. In three months the ducks pay back from five to eight hundred per cent. A pound of duck can be put on the market cheaper than beef or pork, and the profit is six times as much. This is one thing for New England farmers to find out. There is money in poultry raising, and at the same time in raising poultry we are not taking from the soil,

and it does not depend upon the tempera-
ture, dronth or like condition. When a
man is raising poultry the soil is growing
richer constantly instead of poorer. A
man from New York came to see me in
August. He found me at work in my
onion patch. Ordinarily I don't raise
many onions, but I raise enough for my-
self and some of my neighbors. He no-
ticed that I had a nice crop of onions and
said, "Why don't you raise more onions?
Isn't your land well adapted to it?" I
have twenty or thirty acres specially
adapted to it. I am always sure of an
onion crop there; maggots do not trouble
me; but I told him I couldn't afford to
raise onions. He said if that land was
within twenty miles of New York it would
be worth \$1000 an acre for raising onions.
I told him with one tenth the labor I can
raise ducks on one acre sufficient to buy
the onions he would raise on ten acres of
land. I should put more capital into
poultry, not into onions.

We are constantly receiving letters of
inquiry as to the expediency of embarking
in the poultry business. We advise no
one to do so at one bound. We have never
known success to follow any plan but that
of entering it gradually. Neither would we
as some do, advise commencing the busi-
ness of raising poultry for market and
depend upon hens to do the hatching and
rearing until having become familiar with
the incubator—because comparatively
speaking, only early market poultry is
worth raising—and depending upon hens
for this and upon the profits to support a
family, is leaning upon a broken reed, and
the person who thinks differently will dis-
cover the error after having tried it. If
the incubator is to be dispensed with,
much better rely upon eggs as the chief
source of income and raise only enough
chickens to keep the number of layers
good. The cockerels which are sold will

materially reduce the cost of the pullets.

Having this income from eggs may
render it safe to experiment with incubators
and become familiar with their workings
before adopting them exclusively. Where
persons already have a trade or living
business, we think they had better stick
to it and try to become sufficiently familiar
with incubators during lesiure hours.

The point we want to make is this:
Where one desires to prosecute the poultry
business by natural means alone, we say
rely upon eggs for the principal income,
because it has been abundantly proven that
there is a reasonable profit in it; but
where the main income is expected from
the much larger profit of dressed market
poultry, and especially the early sales
which bring twice or thrice or four times
the prices of the later ones, we say do not
attempt it except by artificial means, for
in our opinion it cannot be done except to
a very limited extent. I am getting my
income from poultry. I do not dare to
tell how much I make: grow poultry at
five cents and get fifty cents within three
months and you can imagine there is some
money in it.

THE NEW U. S. POSTAL CARD

The new cards differ from the old ones in
that they furnish privacy in the correspon-
dence contained upon them. It is very
much like a double card of the present
pattern. The back fold is split diagonally
and opens square out. The four corners
are folded and joined together in the centre,
when the card has been written upon,
with a piece of gummed paper. The card
weighs less than a half an ounce and will
contain no more writing than do those
now in use.

Send us 25cts. for a 3 months' trial sub'n.

CAPON EXPERIMENTS.

Wishing to learn by actual experience how much profit could be made on some early capons I arranged the past season to make a careful experiment with the result as given below. About June first I bought twenty five young cockerels, selecting such as seemed to show the blood of the larger breeds. They were a promiscuous lot and none of them fine stock of any one breed. They were hatched the last of March and would weigh when I got them home from one and one-half to two pounds each. They were covered with lice and the first thing I did was to give them a good rubbing over with cynolina, which destroyed all lice most effectually. I paid twenty five cents each for the lot, which was a high price. I gave them a pen by themselves and fed them well for a week until they became used to their new home and were contented. I then caponized the whole lot one bright, clear day and confined them to their coop, without roosts for about a week, giving them all the soft food and fresh water they would eat and drink.

The object in confining them after the operation is to keep them quiet until the cut is healed over and they have ceased to wind-puff. At the expiration of this time, they had nearly all recovered from the operation and at the end of three weeks I could hardly find the scar where the cut was made.

They began to thrive and grow from the day they were caponized, as capons always do. I then treated them exactly as I did the rest of my chickens; giving them all they would eat and drink and their liberty to roam wherever they felt disposed; as is usual in such cases where fowl have a free range on a large farm, they obtain about half their living from bugs, seeds, insects, grasshoppers, grass, etc.

About November fifteenth when I was

preparing to place all my poultry in their winter quarters, I gave this lot of capons a pen by themselves in my main house, and began a course of feeding exactly the same as I gave to all my fowls, except that I fed them more corn than I did my hens, and less other messes. Not one of the birds ever experienced a sick day, and I always found them eager for their food.

Right here I would say that I have always found a capon to be very hardy and free from disease. In all my experience in caponizing I have never yet seen a sick or ailing bird. I believe that the operation causes them to be very strong and hardy. They grow like weeds. They first develop an immense frame and afterwards fill it out with rich tender flesh and fat.

Last week I engaged the lot to a party in Albany, N. Y., and proceeded to kill and dress them. Although they were of good size and plump, yet I did not really feel like killing them for I knew that they would take on considerable more weight, but as my object was to ascertain what an early market amounted to in capons I determined to let them go.

They were carefully dressed in the manner that capons should be and after they were cooled off and ready to pack they weighed two hundred and sixty five pounds, or an average of a little over ten and one half pounds each capon. I received twenty five cents a pound for the lot packed and delivered to the express company at my station.

Now let's see how the whole experiment figured out:

It cost me a trifle over fifty cents a bird, for feed for them from the time I started. This amounted to twelve dollars and fifty cents. The manure they made would pay for their care, but I allow ten cents a bird for this labor. Thus the total expenditure on the twenty five birds was twenty one

dollars. I received sixty six dollars and twenty five cents, from which deduct the cost, and I have for my profit forty five dollars. I have more than doubled my money.

It is no object to produce early capons particularly. The greatest demand is in February and March when the market is bare of chickens and the spring broiler has not bloomed. At this time the price frequently goes higher, and birds caponized in August or September will be in suitable condition for these months.

Talk about poultry not paying! If the poultry men will only go to work and caponize their worthless cockerels, they will make more money from each than they can from the best hen on the place. In this very experiment I have made a profit of one dollar and eighty cents on each bird. Can you do this with any hen you have got? I doubt it. Such a course is limited to the parties' facilities for caring for and providing a warm house for his capons. I have capons that I export to market in February that will dress at least thirteen pounds or more.

GEORGE Q. DOW.

—*Ploughman.*

FEEDING STOCK.

Cotton Seed Meal—Glaring Errors.

False Theories and Unauthorized Conclusions.

Character of Cotton seed Oil and Flax seed Oil.

Practical Thoughts and Tests.

Among the literature emanating from some scientific writers on feeding stock, of which so much is found in leading Agricultural papers, as well as in statements from Agricultural Stations, much value is placed on cotton seed meal as a food for cows, cattle and even horses. This seems strange when we have so much belonging to the natural order of food plants, while cotton is a weed which no animal will eat.

In answer to an inquiry how or what to feed 140 steers, intended I suppose to be sold in the spring, a prominent writer on feed suggests the following formula as a daily ration:

40 lbs	Ensilage, at \$5,	.10	
4 "	Hay,	.03	
8 "	Wheat Bran,	.08	
6 "	Corn Chop,	.09	
3 "	Linseed Meal,	.05	35 cts.

and this, he says, ought to put 2 to 3 lbs. of flesh on the animal each day.

Now, since the same paper quotes beeves at 5 to 5.50 per pound, where is the profit? even if the manure be considered of a value in the account.

As so much literature, like the above, is found in so called Agricultural papers, I do not wonder that many practical farmers are disgusted with scientific farming, even though great benefits have been derived by them from science.

The same writer tells farmers that the addition of oil cake to straw makes the straw equal to good hay—supplying the place of the starch, sugar, gluten, and protein matter found in good hay.

But does any practical farmer believe it? Can woody matter be converted into digestible food by the addition of a little refuse from oil works? And this, simply because there may be from 7 to 8 per centum of nitrogen in it?

I have before me a circular of one of these oil factories and the cake is valued as follows: 100 lbs. of oil cake equals 300 lbs. of oats, 318 lbs. of corn and 767 lbs. of wheat bran! Such a glaring error should be properly exposed; although I doubt if there be an intelligent farmer in Maryland who will be guided by it, even if the claim is supported by the stations.

The great secret of feeding is to secure food which the animals will assimilate and send to the proper point: and oats, corn,

and wheat bran, with plenty of good fresh water and hay will do the business, without the refuse of oil works or the offal of glucose works and beer breweries.

Another mistake is made by estimating the quantity of food by the weight of the animal. I have a pair of horses that from October to May seldom have a bridle on them and in the same stable two mules which do most of the work on the farm. There is little difference in their weight; yet I feel I am within bounds in stating that the mules do not eat two thirds as much as the horses.

This holds good with mankind also. Upon well authenticated evidence Thomas Wood, with a remarkable degree of vigor, lived for eighteen years on a pound of flour and water per day. Cornaro, an Italian nobleman lived for sixty years—dying over a hundred years old—on 12 ounces of food per day, consisting of bread, meat, egg and soup. His health and mental faculties kept in good order, and at the age of 83, 86, 91 and 95, he wrote discourses urging others to follow his example.

Prof. Stewart asks me why I prize beef-steak? and answers the question himself by saying, for its nitrogenous character. Such is not the true answer. No more than for its large supply of carbon and elements of protein matter which are so rapidly transformed into blood and animal life; very like Mr. Vanderbilt's hearty meal of oat mush and milk without any complementary oil-cake or similar compound.

On this subject I can tell some facts which might prove of interest if I had the space; but one of a dozen for an illustration.

Charley a sorry inmate of the Kent county poor-house, several years ago, sick and broken down, with neither mental nor bodily strength, came to me to know if I could do anything for him? Apparently

having no organic trouble, I told him on one condition I would give him some medicine. He was to eat nothing but boiled wheat and milk, if he could get it. Any other food would ruin the medicine (a simple tonic.) He carried out the contract and in a few weeks he was greatly improved in every respect, and was able to go to hard work. The past year he did hundreds of rods of ditching with as much ease and speed as if he had been born in Ireland. He was a German and made money at 20 cents a rod for wide and deep ditches, and at one cent a wheelbarrow load of tough clay such as that with which I lined my ice-house. Charley's health seemed fully restored and last summer he left for the West, fully able to match the strongest man in work.

Prof. Stewart in his criticism of my article on oil-cake states that one pound of cotton seed added to ten pounds of straw would make it equal to eleven pounds of hay.

Our paper mill is paying \$4.00 a ton for straw. If 200 pounds of cotton seed cake, costing \$3.00, will make this equal to hay, I think a great mistake is made in selling it.

But this scientific theory, bolstering up the seed of an annual weed, fails to convince me that I can do without my sweet nutritious, properly secured hay—substituting woody matter for it. Although a hydro-carbon it is not of a digestible nature, as are corn, oats, rye and tender grass before it passes to cellulose or woody matter.

The subject of food in all its bearings is certainly an interesting and important one and for thirty years has not been neglected by the writer. Many facts can be stated which will show that neither animals nor human beings need complementary food; and the quantity is not so important as

the proper digestion and appropriation of what is eaten.

It is to be hoped that some of your readers who are familiar with the science of proper food will let us hear from them, and let there be no axe to grind. Some years ago a writer in a prominent agricultural paper stated that water was only fit to wash with! He had light wines for sale, and a fine vineyard!

I claim that such compounds as oil-cake, &c., cannot take the place of good, sweet and pleasant tasted meal, rich in such natural food as starch, gluten, sugar found in the grasses, along with the peculiar compounds classed as protein, having in it some mineral matter, lime, phosphorus and sulphur, as found in the albumen of the egg, the casein of milk, which must have come from analogous compounds found in vegetable matter with which the animal was supplied, and which is found so abundantly in the natural sweet tasted cereals—not in the seeds of such weeds as furnish paint oil, or lubricating, purging oils.

Since the introduction of cotton seed oil as a substitute for lard and olive oil, I seldom taste salad or pastry away from home owing to the danger of getting the indigestible cotton seed oil, which a sensitive taste or a weak stomach will seldom fail to detect, either at once or shortly after eating.

If there is any law to suppress the use of such a vile substitute for lard, as cotton seed oil, it should be enforced. Every pound of such lard—or, "Pure Olive Oil," so nicely labeled in French style, but from the same source—should be confiscated, if found on sale. It is unfit for any human stomach and no Laplander even could stand it as food.

The nauseous taste of flax seed oil forbids its use among human beings, and the dumb brutes are entitled to better food,

especially as it can be obtained at less price and of a far more healthy character, unless purging is necessary.

Talking with Mr. Philip Tabb a short time since, who is one of our well known breeders of fine stock, he informed me that his English manager, Mr. Wilkinson will not touch either cotton seed or flax seed cake, as he has found them both injurious, even when mixed with his oats, meal, bran and rye chop and hay. [This conversation took place in our office and Mr. T's words were emphatic.—Ed.]

As is well known, flaxseed or linseed oil is a drying oil: i. e. rapidly attracts oxygen and passes to a rancid acid resin.

In all oil cake a portion of oil remains and exposure soon converts it into an indigestible resin, insoluble in water or the juices of the animal economy, and passes along with the other inert matter found in the tough hard shell surrounding the oil in flaxseed, cotton seed, castor seed, hemp seed, jimson seed and others. To the irritating relaxing action is due the purging quality of indigestible oil, a table spoonful of which will give a free purge.

As an experiment I have taken four ounces of sweet cod liver oil with no visible effect except a warming of the body and loss of appetite from the overdose of a concentrated carbo hydrate that was rapidly digested. On the other hand a tea spoonful of flax seed oil or cotton seed oil would remain for hours producing a similar effect to that of rancid butter or lard.

Prof. Stewart claims the value of food based on its nitrogen. This I think is a very great error; and I cannot think that the elements of good timothy hay can be furnished from straw by the addition of a little oil cake, and anyone who will try it I think will soon have a poor sickly animal.

A.P. SHARP.

Baltimore, Md.

SPLENDID RESULTS.

Elsewhere in this number, we have printed the experience of prominent poultry dealers and breeders showing the profits they realize, by their own statement made so publicly that we can afford to believe that the figures do not lie.

If these figures do not lie, then is it not worth while to learn the poultry business, go into it systematically and understandingly, and realize these splendid results.

But do not suppose you will be able to secure these results without learning the business from Alpha to Omega in all its details.

The great failures have always occurred when the essential knowledge of the business has been treated as of little or no importance. Please take notice.

Don't suppose that you know everything about the raising, keeping, and selling of poultry. If you would make the business a success, be always anxious to learn; and profit by every experience of others as well as of yourself.

THAT GOOD MACHINE.

The complimentary article you published in your January number, under the heading of "A good machine," I assure you is fully appreciated by the undersigned who is the inventor and patentee.

Owing to the courtesy extended to me by the proprietors and editors of quite a number of the best agricultural journals of the country, I have for some years past been writing articles, which they have published, on practical agriculture.

My sincere desire has been, from the time I commenced farming to accomplish the most satisfactory results with the least expenditure of labor and money, reaching the object at which every farmer is aiming, viz: fertile soil and remunerative crops.

I hope you will not consider me penurious, or stingy because I so express myself; for I have ample apology if an apology is needed to justify this effort at economy. While farming is handicapped by paying tribute to every interest outside of itself, and has no reciprocal advantages of protection, depending upon the unaided skill of the farmer himself, I am sure my brother farmers will bear me out in saying that there is no possible way for him to bear his burden except by resorting to the most stringent economy, and using all the skill he possesses in the cultivation of the soil. Acting upon this principle, I have for years been advocating thorough preparations of land before any crop is planted, and constant cultivation of all hoed crops until they have reached a stage of growth that enables the crop to protect itself from foreign growth, or from the land baking. This is only accomplished by continued working until the growing crop shades the soil so as to prevent weeds or other indigenous growth from starting and the intense heat of the sun's rays from reaching the ground.

The machine above referred to, is the result of five years effort to produce an implement that would enable the farmer to put his land in the best mechanical condition preparatory to planting his crop, and to plant the crop in the best manner at the least cost possible.

In the spring of 1883, I built a crude machine to harrow, sow clover seed on fall sown wheat, and roll. This implement proved a success and demonstrated the great advantage of having a prepared seed bed for the clover seed, sowing immediately upon this freshly harrowed surface and covering at once with the roller. Not only so, but the advantage to the wheat was very conspicuous. It grew off with such vigor that a casual observer would have thought a stimulating fertilizer had

been applied. The stand of clover was uniform and as good as I ever saw.

I had tried harrowing my wheat preparatory to sowing clover seed, and rolling after seeding, previous to getting up this implement; but the difficulty in the way was the sudden changes of the weather preventing the completion of the work in a satisfactory manner. It required a pair of horses and driver with a harrow to start some time in advance of the seed sower, as the seed were sowed much faster than the harrow could get over the ground. It is very important to have the harrow go in advance, otherwise the seed—being sowed before it—would fall into the small depressions or holes that exist in all wheat fields after the settling of the ground in the spring. The unsatisfactory results following the hap-hazard mode of sowing clover seed upon the wheat in early spring, without previously harrowing the ground, was what induced me to try the experiment of making a seed bed before sowing the seed, and then rolling the ground to cover them. My experience teaches me that all seeds should be sowed upon a prepared seed bed and covered the proper depth, to insure the best results.

What all land needs to produce results in proportion to the actual strength of the soil, and to attract and retain the fertility from the atmosphere, for the benefit of any crop that may be grown, is *thorough* and *perfect pulverization*. It follows, that what the farmer needs are the facilities that will enable him to accomplish this at the least cost for labor and machinery.

The implement above referred to has been gotten up for the especial purpose of meeting this necessity. It has been pronounced by entirely disinterested, competent persons, consisting of some of the best farmers in this State, and of Virginia, and by agricultural machine builders, and by others as well as yourself, Mr. Editor, to

be the simplest machine, most easily managed, and to do more than any implement ever known in this country.

We start with a roller, which is a perfect field roller in every sense; this roller and frame, and tongue cost no more than any other of the same value. We can add a harrow to suit any variety or condition of soil, at the additional cost of the harrow. The roller and harrow can be used together, harrowing and rolling at one operation, with one pair of horses and driver, and will do better work than when used separately. A drill for sowing any kind of grain or grass seed and fertilizer can be attached and used with the roller, either with, or without the harrow, harrowing, drilling, and rolling all at once; or each can be used separately. The grain, and grass seed feeds are entirely new, and are pronounced the most perfect ever seen on a drill. The feed rod or shaft can be withdrawn, the seed cups cleaned and replaced in a few minutes, without taking the seed out of the hopper. The fertilizer feed is also entirely new: It works upon a principle that keeps the fertilizer free in the hopper, and forces it through the discharge openings in any quantity desired. The drill hoe will sow broad cast, and cover the seed with perfect accuracy, or in an instant can be converted into a narrow hoe, to sow in a narrow trench. The hoe can be set by a regulator to cover the seed the exact depth desired.

We do with one machine, one hand, and one pair of horses, at one and the same time, what in other instances requires from two to five machines, from four to ten horses, and from two to five hands.

Do not think this machine complicated because it does so much, for it is just the reverse. It is (to use the expression of a very intelligent Talbot County farmer respecting it) "simplicity simplified." There is not a cog wheel about it, not a single

superfluity in the way of gearing. It is so very simple and easily managed that any farm hand can use it, who can drive a pair of horses and keep the hoppers filled. The driver has entire control of both drill and harrow, and in an instant can raise one or both out of the ground, and throw the machine out of gear. The harrow is so hung that the depth the teeth penetrate the ground can be gauged with accuracy, and in case of striking a stationary object, will be thrown out of position and drag over it. The economy of draft consists in having the entire weight of the machine borne by the roller and an improved adjustable castor wheel both of which have the most perfect bearings, which reduces the friction to the smallest degree possible. No weight is upon the horses necks; all they have to do is to pull the machine, and they find this much easier to do than the work required of them in the use of many single implements. The leading idea from the beginning has been to construct the simplest machine possible that would do the work effectively, with the least labor to man and team.

This is not intended for an advertisement, Mr. Editor, although I am glad of the opportunity of letting your numerous readers know that I have been engaged on another matter effecting their interest, as well as in the testing and developing the value of fertilizers.

Being unable to build these machines in sufficient quantities to place them upon the market myself, a company for that purpose has been chartered under the laws of the State of Maryland, and organized; consisting of a number of the most conservative and solid business men of the city. One of the names attached to the charter is our efficient Post Master, who is president of the State Agricultural Society, and the enterprising farmer of Carroll, Mr. Frank Brown. The other names to the

charter, composing the Company, are not so well known to the farmers of the state, but they are desirous of advancing the farmer's interest as well as their own, knowing that agriculture is the foundation upon which all successful structures are built in this Country.

The board of directors are Col. J. Willcox Brown, of Brown & Lounds, Bankers; De Courey Thom, of Thom & Whitely, Bankers & Brokers; B. B. Gordon, Farmer & Member of the Va. Legislature; Pembroke Lea Thom, Lawyer; John C. Robertson, and your humble servant,
T. R. CRANE.

The above article refers to the most complete machine in the way of combination and simplicity we have ever seen, and we are forced to give it this token of our approbation, believing the machine will prove of inestimable value to the farmer and fill a place never before occupied by any single implement. It is a great stride on the line of advancement in the lessening of labor and expense for man and beast. The company we learn have made definite arrangements for building these machines and propose having a number ready for the Spring trade.—Ed.]

ESSENTIAL POINTS.

Few persons raise poultry, just for the sake of having them. The principal reasons for raising them are use and profit.

The essential points are, therefore, to obtain such stock as will prove best on the table, be the best in the market, and produce the most acceptable eggs and meat.

Yellow legs and yellow skinned poultry are most in demand, and these must be full breasted and in good condition. Capons are in demand at best prices.

The eggs should be of fair size, about 8 to the pound, and the stock should be such

as to give at least the average number of ten dozen, or, if not obliged to rear chicks, twelve dozen.

At the present day one of the essential points is, the use of artificial means to hatch and raise poultry. Where only a few are kept for home use, it may be well enough to fuss with sitting hens; but then only.

For the Maryland Farmer.

AT OUR COUNTY FAIRS.

I would like to see the manufacturers of our Agricultural Implements given free ground, free privileges, larger premiums, and extra accommodations so that they would attend in greater numbers.

I would like to see motive power given so that all machinery can be exhibited in motion. I am tired of going to dead fairs.

I would like to see draft horses attached to heavy loads and in motion so that their points of great advantage over the average horse could be seen.

I would like to see a dairy house with all the latest appliances in use, in practical working, on the ground. It would help us all.

I would like to see the sheep in such pens that they could be examined from the side of their pens, so that their build, etc. could be seen and compared. Not in pens where you can only see their backs, as at present.

I would like to see more liberal premiums given for all desirable articles, and less for horse races.

I would like to see gambling banished from the ground. It is an insult to the farming community to allow it there.

When I can see these things I shall see our fairs crowded to overflowing and the treasurer looking happy.

Farmers' clubs, talk it over and give it shape.

A. W. KIMBLE.

For the Maryland Farmer.

CHICKENS vs. TURKEYS.

I read elaborate directions telling how we should raise poultry, but as my husband does not seem to think poultry worth building a house for, how can I follow such directions?

I myself believe poultry are intended to help the wife to extra pennies at the store, to have their necks wrung for unexpected company and as a helpout generally.

I have, woman like, been interested in two of my neighbors. One believes in raising chickens and nothing but chickens. The other says chickens are below her notice and only raises turkeys.

I am very intimate with them and give an outline of both. They each made about \$100. on their poultry Christmas. I leave it to the reader who got the most return for time and trouble.

Farmer A's Wife raises Chickens.

The hens are set, the eggs are selected from among the freshest that are in the big basket that makes weekly trips to the store.

They hatch the usual average and are taken in the house and kept until the hen is ready to come off and then they are given to the hen to take care of.

They are fed several times a day, given plenty of water, and grow.

If a very heavy storm comes up a board will sometimes be put up in front of the hen coop and sometimes not; generally not. The hen takes care of her chicks, and they are not thought of.

When fed in the morning they are let out for the day.

If a chick dies or gets killed it is "too bad!" but it is only a chicken.

In this way 200 or 300 chickens are raised and in due time bring in the eggs for all home uses and the big basket makes

its weekly trips to the store. The chickens grace the table at home quite often and as the holidays approach 150 are sent to market and sold.

Farmer B's Wife raises Turkeys.

The hens are set, the eggs have been brought in as if they were bubbles and would burst with being handled; have been packed away and turned every few days, great care being taken not to shake them. None are sent in the big basket weekly to the store.

They hatch the usual average and are taken in the house until the hen comes off and then are put in a coop with her, great care being taken about everything.

They are fed several times a day, given water to drink, and grow.

If a shower is seen in the distance "all hands" must run drive up the turkeys to keep them from getting wet. The hen does not take care of them.

A special trip has to be made each morning to let them out after the grass has dried off.

If a turkey dies or gets killed, the good housewife bewails her loss for days and tells it to everybody.

In this way 40 or 50 turkeys are raised. The eggs are not very desirable at the store or at home. The table is seldom or never graced with one of the birds and at last they are sent to market and bring a fair price.

MRS. J. B. K.

Corn Culture.

Results of experiments in the cultivation of corn on the grounds of the New York experiment station make it appear that root mutilation is injurious, and that the more the soil is worked without mutilating the roots the more favorable will be the effect upon the plants. Acting on this

assumption, the ideal method would be to cultivate the soil very shallow wherever it contains roots, and deeply where it contains no roots, in order to favor root growth to the utmost.

MAJ. ALVORD'S ADDRESS.

Before the Md. State Farmers' Association.

We listened with a great deal of interest to Maj. Alvord and his many impressive statements, which were well received and heartily applauded by the convention. Among them were the following.

Maryland farmers purchase more commercial fertilizers than any other state of the union, only excepting Pennsylvania and Georgia, much more in proportion to the number of farms, than even these states.

Maryland farmers have been paying out about three millions of dollars annually—a sum much more than was necessary for commercial fertilizers, if properly adapted to the soil.

On Maryland Lands potash is a prime necessity. Barnyard manure is deficient in this respect; but use barnyard manure, first, last and all the time as long as you can get it. Use special manures for special purposes.

The average commercial manures have five times as much phosphate as is needed and only one fifth as much potash as is needed, on average Maryland soil.

When you buy commercial fertilizers, you buy tons and tons of bulk amounting to nothing, in place of the elements actually needed.

Farmers are spending too much for nitrogen.

The analysis of soil is very seldom satisfactory; it is not advisable except under particular circumstances.

He closed with a strong plea for a Board of Agriculture in the State of Maryland.

THE
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AND
NEW FARM.

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27 EAST PRATT STREET,
BALTIMORE, MD.

BALTIMORE, February 1889.

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If 5000 are allowed to run over a single number without paying, it is a cost to us of \$500., which we cannot afford to lose. Few of our subscribers take this into consideration. While we like to be as generous as possible, let us have a little justice on both sides.

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Job Printing of every description—good work—low prices—prompt service—at the MARYLAND FARMER Printing Office.

The demand for sample copies during the past three months has been unprecedented in the history of our Magazine. Those who have not received them promptly will understand that it was in consequence of our extra numbers giving out. We shall endeavor to provide against this in the future.

SEED CATALOGUES.

The season for obtaining all the information possible about improved seed in the flower and vegetable garden and in field crops has arrived. The dealers have issued their annual catalogues and are now only anxious to get them into the hands of those who intend to buy. Send for them. A few cents will buy you a good variety from which you can choose understandingly just what you most need.

Remember, however, that while it is best to try on a limited scale new things, it is not best to try them extensively. They may have proved of remarkable value in the hands of the present cultivators, under very exceptionable circumstances; but not be adapted to your soil or your methods of fertilization and culture. Try them—on a small scale.

We have known a case reliably however, where a difference in the seed in the same field under the same cultivation and manuring, made a difference of 20 bushels of corn to the acre. And if this can be done only approximately, it is certainly best to secure the improved seed.

In vegetables the same rule holds good. It is always desirable to get as large a yield as possible from the land and the labor you put upon it. If by changing your tomato seed, which may have given you cracked or diseased fruit last year, for seed warranted to have produced solid fruit perfectly free from rot during last year's crop, you can double or quadruple your

former yield—do it. We don't think it should be necessary to say this more than once. We only mention tomatoes as an example of the general principle. It should apply to all other vegetables. To beans, for example: If snap beans were troubled badly with black specks, discard that variety of seed, and choose a better.

So with potatoes—both quality and quantity should be taken into consideration.

Use a few postal cards and ask for catalogues; or, if you can send an extra stamp or two in a letter to help pay postage, do so. But by all means send for the catalogues—a dozen or more if you wish them; study them carefully and you will find it to your profit. It will be of value if you will mention, when you write for catalogues, that the Maryland Farmer suggested it.

For the Maryland Farmer.

FARM GARDENING, NO. 5.

BY FRANCIS SANDERSON.

Hot Bed for Early Plants.

For the very earliest and tender vegetables that have to be set out as plants—such as Cabbage, Lettuce, Peppers, Egg Plants, and Tomatoes—we have to make Hot Beds by the middle of February. And here let me say, If you have a good retail demand for Lettuce, Egg Plants, and Peppers, grow them. If you are depending upon a wholesale market, let them alone. Cabbage and tomatoes are always in demand and even if prices are very low, the tomatoes can be canned and the cabbage can be fed to cattle or hogs, or turned under as green manure.

It takes time and preparation to get the hot beds ready, as the manure has to be thrown into a heap and heated up, and the soil to sow the seed in has to be fine rich and mellow.

Good horse manure well wet through

and then heaped up will soon heat, and the best soil to sow the seed in is from sods well rotted and mixed with one half of fine manure. These two are well mixed together and run through a coarse sand screen which clears out all the sticks and stones.

The frames should be set facing the South and protected from the cold North West winds by means of a tight board fence. Or a good wagon load of long fodder set up against a rail fence will answer every purpose and save the expense of the boards. In making the frames for the sash yellow pine lumber is the cheapest and best. The frames should be 18 inches high at the back and 12 inches in front, and it is best to have each frame hold four 3 by 6 sash. After the frames, and sash are ready, dig a pit for the manure—a little wider and larger than the frame—two feet deep. Bank this dirt up against the sides of the frame. put in the manure—it should be steaming hot—and tramp it well. It should come within ten inches of the glass.

After the manure is in, put in five inches of the prepared soil and rake it fine: then put on the sash and cover with straw mats. If mats cannot be had, cover with old carpet and put corn fodder on top of this. For a four sash frame 3 mats will be required. They can be made very quickly and it will be much the best to have them even if they have to be bought. The usual price is 1.00 per mat.

When the most violent heat has passed off, which will require about three days time, the seed may be sown. Make the drill rows very shallow, half an inch deep, and the rows four inches apart. Sow the seed thinly about six seeds to the inch and cover but little; then pat down with a small board.

For market the "Queen" and "Livingstone Perfection" Tomatoes are the best, as they ripen well and do not crack badly

in wet weather. The early and late Flat Dutch Cabbage will out yield and out sell all other kinds. When the plants come up, give them air in mild days, opening the sash an inch or two about 10. A. M. and closing the sash again by 3. P. M. It is important to be on hand night and morning when a number of sash have to be attended to; for if the frames are kept too close, the plants become drawn, poor, and feeble; and if too cold, they may be killed out-right.

For the real early plants we make a second set of hot beds early in March and transplant from the seed bed into these frames, allowing the plants to stand four inches apart. Later on, as we have more frame room, we transplant into a cold frame every other one of such plants. By so doing we have large stocky plants finely rooted when it is time to set out, about the 15th to the 20th of May.

Many other kind of vegetables can be grown in such frames—such as beets, cucumbers, and canteloups—and a sash or two devoted to Pansies, Sweet Violets, Geraniums, and other hardy flowering plants, will afford much pleasure, if they don't yield any profit.

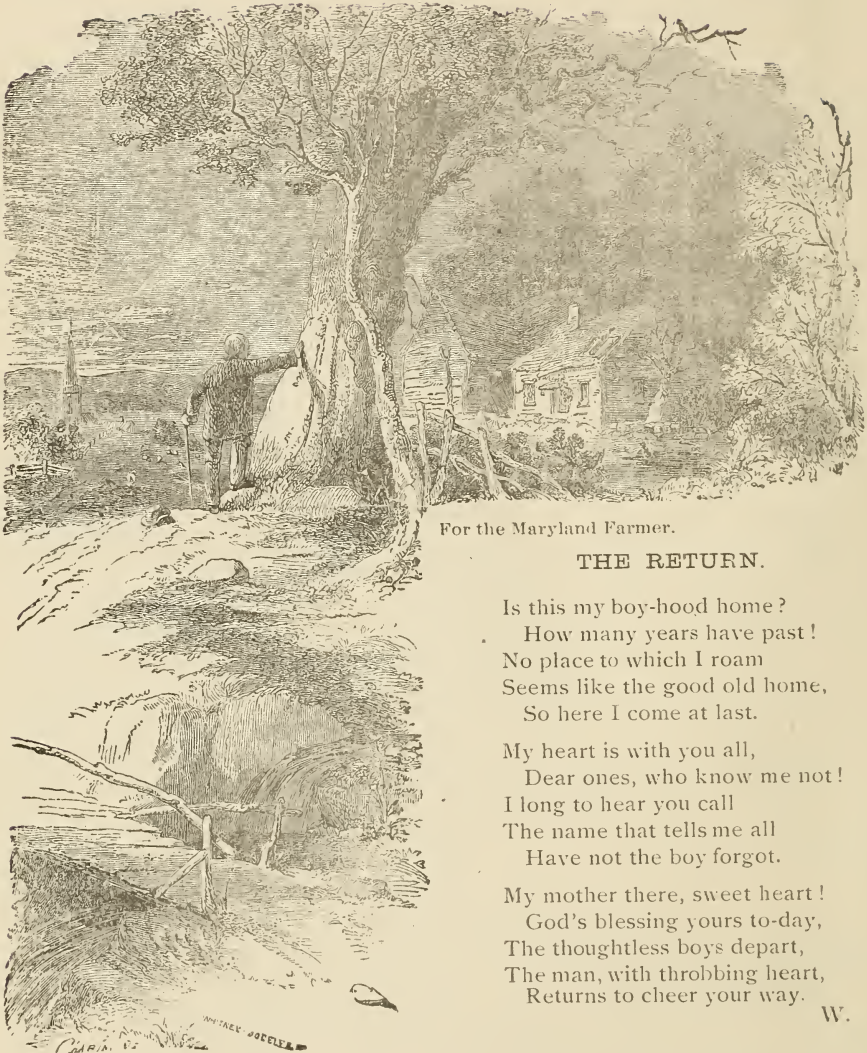
The management of frames requires constant vigilance, good judgment and hard work, early and late, but they can be made profitable and pleasant.

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the Pacific Coast, Colorado,
Wyoming and Utah.**

Railroad ticket agents of the Eastern, Middle and Western States will sell, on any date, via the Burlington Route from Chicago, Peoria or St. Louis, round trip tickets at low rates to San Francisco, Los Angeles, San Diego, Portland, Tacoma, Seattle, Vancouver or Victoria; also to Denver, Cheyenne, Colorado Springs or Pueblo. For a special folder giving full particulars of these excursions, call on your special ticket agent, or address P. S. EUSTIS, Gen'l Pass. and Ticket Ag't, C. B. & Q. R. R., Chicago, Ill.

SMALL THINGS.

Neglect of small things is the rock on which the great majority of the human race have split. Human life consists of a succession of small events, each of which is comparatively unimportant, and yet the happiness and success of every man depend upon the manner in which these small events are dealt with. Character is built up on little things—little things well and honorably transacted. The success of a man in business depends on his attention to little things. The comfort of a household is the result of small things well arranged and duly provided for. Good government can only be accomplished in the same way—by regulated provisions for the doing of little things. It is not luck, but labor that makes men. Luck says an American writer, is ever waiting for something to turn up; Labor, with keen eye and strong will, always turns up something. Luck lies in bed, and wishes the postman would bring him news of a legacy; Labor turns out at six, and with busy pen or ringing hammer lays the foundation of a competence. Luck whines; Labor whistles. Luck relies upon chance; Labor on character. Luck slips downward to self-indulgence; Labor strides upward, and aspires to independence. "It will do!" is the common phrase of those who neglect little things. "It will do!" has blighted many a character, blasted many a fortune, sunk many a ship, burned many a house, and irretrievably ruined thousands of hopeful projects of human good. It always means stopping short of the right thing. It is a makeshift. It is a failure and defect. Not what "will do," but what is the best possible thing to do, is the point to be aimed at. Let a man once adopt the maxim of "It will do," and he is given over to the enemy; he is on the side of incompetency and defeat; and we give him up as a hopeless subject.



For the Maryland Farmer.

THE RETURN.

Is this my boy-hood home?
 How many years have past!
 No place to which I roam
 Seems like the good old home,
 So here I come at last.

My heart is with you all,
 Dear ones, who know me not!
 I long to hear you call
 The name that tells me all
 Have not the boy forgot.

My mother there, sweet heart!
 God's blessing yours to-day,
 The thoughtless boys depart,
 The man, with throbbing heart,
 Returns to cheer your way.

W.

For the Maryland Farmer.

ANOTHER CALL.

Mr. Editor;—We farmers like to see pictures; cannot you give them to us? I expect you will say, "I think I am spending enough in that direction already to satisfy anybody," and so you are, but we want to see a different kind. I can almost hear you say "Human nature! Never satisfied."

I will explain. Many in our neighborhood would like to see a picture of the new corn-husker, and of the different new Machinery by which labor may be saved and crops made better. Also new fruit, and the products of the seed, of different kinds, that are praised so wonderfully in different newspapers, advertisements, etc.

I expect you will think you can not afford to give these things a free advertisement which I do not blame you for. Again you think that we can see them by sending to the different ones that have them for sale and getting catalogues.

This is all true, but we very seldom have any idea where to send for a catalogue of these new things until they get old, and many that you know of, and are valuable, we never hear of at all, when we might have saved ourselves a year or so of hard work in some one direction by the purchase of a machine, if we had seen it illustrated in our beloved Magazine, the Maryland Farmer.

I am one of the few that believe in a sort of a "Kindergarten" way of teaching farming. Give us pictures of new methods and improvements and we grasp them at once; we have no time for reading long sermons about them. By the way! I am glad to see that you have the past year or two left out the department that read "In March do so-and-so." Nine times out of ten the weather would not allow us to do what we were told, so regularly year after year. I see many of my neighbors' papers

still try to teach us in that way. I expect it was all right when Grandfather was a boy, but it does not suit this age.

As you are publishing a magazine for the benefit of farmers I hope you will not think hard of me asking you to make another sacrifice for us. Perhaps we can make it up by sending in new subscribers.

DANIEL WALTERS.

For the Maryland Farmer.

THE NEEDS OF SOUTHERN MARYLAND, II.

Last month we demonstrated the fact that the farms of Southern Maryland were too large, and that there was too much unimproved land in that section to make farming a success, and suggested the reduction of the size of the farms. In this article we propose to show another side of the picture, and will carry out the comparison with other counties in the State.

The soil of Southern Maryland is naturally as productive as that of any other section of the State and will produce ample crops of hay, grain, fruit and vegetables.

Tobacco has been grown too exclusively and a system of general farming must be adopted before Southern Maryland can take her rightful position with other sections of the State.

We do not intend to go into the question of tobacco raising; but will content ourselves with the statement, that if, as some claim, tobacco is the most remunerative crop that can be raised, Southern Maryland ought to be the most prosperous agricultural region in the State: for it produces about twenty four and a half million pounds, out of a total of twenty six million pounds raised in the State. And if tobacco is such a paying crop, how is it that Montgomery and some of the Eastern

Shore counties, once large producers of tobacco and at the same time as poor as the ideal Southern Maryland counties, have grown rich and prosperous since tobacco raising has been abandoned for a general system of farming?

As we said before Southern Maryland ought to be the garden spot of the State; yet the proceeds of the truck sales of Baltimore County alone are three times as much as that of the whole of Southern Maryland.

Little Howard—the smallest county in the State—produces more *hay* than all of the five Southern Maryland counties. Montgomery and Harford each produce twice as much, Cecil and Carroll each three times as much and Baltimore County alone raises four times as much hay as is raised in Southern Maryland.

Talbot, Queen Anne, Kent, Cecil, Carroll and Montgomery each produce more wheat, and Frederick nearly three times as much as the Southern Maryland counties combined.

Why is this?

Simply because the Southern Maryland farmers have clung to tobacco to the exclusion of the general farm crops, and we ask them to compare their condition with that of the other counties named, and answer the question, is it not about time to give up tobacco?

We do not advocate a revolution in this matter. It is better to go slowly and surely and adapt oneself gradually to the change rather than to stake everything on the success of the first venture. But it is time for every farmer to be studying the problem, and we predict that the sooner Southern Maryland changes its main crop and adopts truckery, fruit growing and general farming, the sooner it will rise from its present condition to one of prosperity. Let the change be inaugurated the coming season, and let each renewing

year see it advanced further and further: for rest assured this is one of the crying needs of Southern Maryland.

G. E. Jr.

At a meeting of the Deer Creek Farmers' Club the question discussed was, "Which is the more profitable, general husbandry or the pursuit of some special line connected with farming." The majority of the club were of the opinion that mixed farming is more profitable and safer for the average farmer than undertaking any special line to the exclusion of other things. Here and there, it was thought, that a farmer might be found who is adapted to successfully manage a specialty, but such men are rare.

A FEW WORDS.

Although we have found it necessary to cut off many of our exchanges and a very large number of our free copies, our list of subscribers increasing we have been compelled to shut down on specimen copies until this number could be printed.

We do not however regret this fact of increased subscription: We would like to double our present large circulation within the year and if our friends in all parts of the Union will do as well as in the past, we can easily do it.

Let each one send us only a single new subscriber and what a help it will be!

We begin our 26th year with the hope and determination of making ours the most desirable publication in the realm of Agriculture—a publication of which no subscriber need be ashamed.

Already it stands foremost in its class in style of print, in excellence of contributors, and in the direct, practical character of its articles.

These need only be supplemented by a largely increased circulation to give us the

eminent position we covet. Let us all turn our attention in a good degree to this subject. Large numbers of our eminent men now consult its pages: but we wish it to become so popular with farmers every where throughout our country, that they may regard it as one of the great powers in behalf of their best interests.

FOR THE LAST TIME.

There is a touch of pathos about doing even the simplest thing "for the last time." It is not alone kissing the dead that gives you this strange pain. You feel it when you have looked your last time upon some scene you have loved—when you stand in some quiet city street where you know you will never stand again. The actor playing his part for the last time, the singer whose voice is cracked hopelessly, and who after this once will never stand before the sea of upturned faces disputing the plaudits with fresher voices and fairer forms; the minister who has preached his last sermon—these all know the hidden bitterness of the two words, "never again." How they come to us on our birthdays as we grow older! Never young again; always nearer and nearer to the very last—the end which is universal—the last thing which shall follow all last things, and turn them, let us hope, from pains to joys. We put away our boyish toys with an old heartache. We are too old to walk any longer on our stilts—too tall to play marbles on the sidewalk. Yet there was a pang when we thought we had played with our merry thoughts for the last time, and life's serious grown-up work was waiting for us. Now we do not want the lost toys back. Life has other and larger playthings for us. May it not be that these too shall seem in the light of some far off day as the boyish games seem to our manhood, and we shall learn that death is but the opening of the gate into the new land of promise?

A NEW GATEWAY.

By the completion of a new bridge across the Missouri River at Rulo, Nebraska, the Burlington Route has established, for the entire distance over its own track, a new, direct, through line from St. Louis to Kansas City, St. Joseph, Atchison and Denver. Over this line is run "The Burlington's Denver Express"—a solid train with through sleeping cars and coaches from St. Louis to St. Joseph and Denver, and a through sleeping car from St. Louis to Kansas City. The connections made by this train at the Missouri River, at Denver and at junction points en route are such that one can directly reach by it all points in Nebraska, Colorado and all sections of the West and Southwest, as well as all Pacific coast points. This is in addition to "The Burlington's Number One" well-known solid vestibule train between Chicago and Denver and Cheyenne, with which direct connection is made by C.B. & Q. R.R. train from Peoria, and by which one can make the run between Chicago and Denver without being more than one night on the road. For tickets via the Burlington Route and for special excursion folder, call on any ticket agent of connecting lines, or address P. S. Eustis, Gen'l Pass- and Ticket Agent, C. B. & Q. R. R., Chicago, Ill.

The Cottage Hearth, \$1.50 a year, will be clubbed with the Maryland Farmer and both sent 1 year for \$1.50. Send money to Maryland Farmer, Baltimore, Md.

INCUBATOR.

THE SAFEST. THE CHEAPEST. BEST.

Hammonton Favorite.

NO OIL LAMP. NO DANGER OF LIFE.

SIZE, 75.

PRICE, \$18. - - Complete.

Full directions, so that a child could run it. Now is the time to prepare for Spring broilers and secure the highest prices. Can be seen at the

MARYLAND FARMER OFFICE,

27 E. PRATT, NEAR LIGHT STREET,

BALTIMORE, MD.

THE HOUSEHOLD.

THE GOOD TIMES AT HOME.

O, the good times at home ! how sweet
to remember
The pleasures and joys that surrounded
us there,
From December to June, and from June
to December,
When we were unburdened with
sorrow or care.
From garret to cellar, from cellar
to garret,
With happy abandon we frolicked
and played,
Invoking the spirits of music
and laughter,
And nobody frowned at the
racket we made.

O, the games and the gambols out doors.
so inviting,
With home very handy to run to,
in case
Some lawless marauders, against
us uniting
Should press us too closely,
compelling a race.
All through the dear dwelling and
every place near it,
So fearlessly, freely, permitted
to roam,
What wonder that we should decide
In our childhood
There was naught to compare
with the good times at home !

Then the games in the evening
in which we would riot,
The telling of stories, adventures, and all
That had brightened the day ! and
then, later, the quiet,
The peaceful home hours—how
sweet to recall !
There were books, there were pictures
in endless profusion,
The sick or the studious ones
to beguile.

And the dark winter days were
made cheerful and pleasant,
By the mother's dear presence, her
voice and her smile.

O, blest were the ties of affection that
bound us !
O, joyously sweet were the songs that
we sung,
When merry companions were
gathered around us,
And familiar the scenes that
we frolicked among !
Though many a banquet is
spread for our pleasure,
Though oft from the fireside
tempted to roam,
The heart will still cherish its
fond recollections
Of the days that are past
and the good times at home.

THE LOST SPECTACLES.

"I laid 'em right down here," said Mr. Bennett; "and now the're gone."

Myra looked up from the long supper-table she was clearing, with a surprising lack of agitation. She had not kept house for Mr. Bennett for the two years since his wife had died without learning that he was very probably the most absent-minded old gentleman in the world.

"Laid 'em right down here," Mr. Bennett repeated, fumbling about on the kitchen window-sill; "and now they ain't here. Funny!"

He spoke querulously; and after a long, hard day with the threshers it was not much to be wondered at.

"Are you sure you left them there?" said Myra. She had put the same question on a hundred previous occasions; but she

spoke patiently. She had had a hard day, too,—getting dinner and supper for eleven men was no light task, but Myra's sweetness was never ruffled. You could have guessed that with one look into her soft, calm, pretty, blue eyes.

"Am I sure?" said Mr. Bennett, sharply, dropping into a chair and wiping his face with a red handkerchief. "Now, what's the use of saying that, Myr? Don't I always know where I lay my spectacles? I recollect putting 'em down there, jest after supper; and then I stepped out to settle up with Varick, and fussed 'round the barn a little, and now I come back and they're gone. I recollect it," said Mr. Bennett, as though his recollection was a thing not to be disputed. "And they're my best gold-bowed glasses; I don't wear 'em common. I don't know what I put them on to day for. Jest to get 'em stole, I s'pose."

"Stole?" said Myra, in shocked remonstrance.

"Wal' I've got my suspicions," Mr. Bennett responded, crossing his legs with a jerk. "I've got 'em. What do you think, anyhow, o' folks that hire out to Varick to thrash for a dollar a day, a-wearing white shirts and collars, and having hands just as white as that plate? What do you think of it?" Mr. Bennett demanded, conclusively.

Myra's gentle face, bent over the butter-dish she was scraping, flushed warmly.

"Do you mean Mr. Goodwin?" she faltered.

"How'd you know him?" said Mr. Bennett, suspiciously.

"Oh, I—I've met him!" said Myra timidly. "He's staying with the Blacks, next door to Aunt Mary's. He's Mr. Black's nephew; and he's in Aunt Mary's sometimes. I've met him there."

"H'm! hev—hev you?" said Mr. Bennett, with a contemptuous grunt. "Wal, you better let him alone; that's my advice.

If I ain't losing my guess, he ain't fit for nobody to meet!"

Myra, red-cheeked, and brushing the table-cloth with fluttering hands, was silent.

"Does it look jest right," said Mr. Bennett, sternly, "for a young man—a slick and good looking young fellow though he be—to be going around with Varick's threshers, with them citified ways—"

"He's doing it on account of his health," said Myra, bravely interrupting. "He came away from the city for country air and exercise, and he's independent enough to take the exercise in a way that will bring him a little money. He isn't rich,"

"How do you come to know so much?" said Mr. Bennett, acridly. "Told you eh? Wal, it's my advice not to let him tell you any more. Won't no good come of it. I tell ye I've got my suspicions. It ain't jest right, don't care what you say; something wrong about it. For a fellow like that to go round thrashing, in them clothes—"

"I suppose they're all the clothes he has with him," said Myra, patiently.

"In them clothes, and with that air o' his. You needn't tell me!" Mr. Bennett ended, vaguely but immovably.

"Yes, his manners are better than Syd Young's or Varick's," said Myra, looking ruefully at the stained cloth where Varick had eaten. "But is that anything against him, Mr. Bennett?"

"Wal, I know jest as well as I want to where them glasses have gone to," said Mr. Bennett, with stubborn irritability.

"Do you seriously think that Mr. Goodwin has taken them?" said Myra, her pretty eyes remonstrantly wide.

"Pretty clear case, seems to me," said Mr. Bennett, doggedly. "There wouldn't another one o' them men 'a done it; I wan't over pleased with him fust minute I see him."

Myra put the goblets into the dishpan silently.

"I can generally tell when a man ain't honest," Mr. Bennett proceeded, with growing confidence, "and that feller ain't. He see them glasses and he took 'em; he didn't s'pose he'd be suspicioned. He's calc'ulating to sell 'em as soon as he gits back to the city. Clear case, I consider. He'll git come up with though. He won't git out of town with them glasses."

"He couldn't have taken them, Mr. Bennett," said Myra. "He didn't go near the window-sill."

"How do you know he didn't?" Mr. Bennett demanded, tartly. "Wal, yis, come to recollect—hanging round you after supper, wan't he?"

Myra's cheeks flamed, and her lips trembled; Mr. Bennett's tone was gruff. "Yis!" Mr. Bennett got up and went rambling about the room, agitatedly. "And I don't s'pose you'll hear to reason no more'n most gals will. You're took with a goodlooking face and smart ways, and you don't see the rascality behind 'em, nor you won't be made to. You're jest like the hull tarnel set of 'em!"

"Mr. Bennett!" cried Myra, her tears dropping into the dish-water.

"Wal, I hain't nothing to say about it. You'll hev to go your own way," said Mr. Bennett, sternly. "All I hev got to say is, he don't git out o' this town with them glasses. I'll hev the law—"

A tall, bowing form and a handsome, smiling face were at the door. Mr. Goodwin looked in pleasantly at Mr. Bennett and Myra.

"Oh!" Myra faltered, hurriedly drying her eyes and smiling back at him.

"I must apologize for bursting in in this way," said the young man, but his quiet, gentlemanly entrance could hardly be called a burst. "And my errand is hardly of enough importance. I could have waited—"

He looked at Myra shyly. It was plain

that his errand was the lesser attraction.

Mr. Bennett stood with folded arms and hostile eyes. Myra, tremulous with apprehension, placed a chair for the young man.

"I am sorry to bother you," said Mr. Goodwin, in a pleasant apology, "but I have lost my scarf-pin somewhere hereabouts. Of course there is every chance of its having fallen out while I was at work. Feeding bundles of wheat to a threshing machine is pretty well calculated to loosen scarf-pins," he said laughing. "But possibly I may have dropped it here, either at the dinner or supper I enjoyed so hugely." He smiled at Myra. "I am so sorry to trouble you! Just a glance over the floor will discover it, if it is here."

"Certainly!" said Myra, and opened the west window-blinds for more light.

Mr. Bennett eyed the young man sternly.

"Seems to me it's a pretty good joke you a-coming here after something you've missed!" he snapped.

Mr. Goodwin betrayed his astonishment at the remark only by his silence.

Myra gazed at Mr. Bennett in pleading misery.

"What I should call a good joke," Mr. Bennett repeated, with a chuckle. "S'pose you want to search the house?"

"My dear sir," the young man ejaculated in shocked amazement, "is it possible that you suspect me of suspecting you? Believe me, nothing could be further from my thoughts! How can I persuade you—"

"Like to look through my pockets, wouldn't you?" Mr. Bennett pursued, with grim irony. "Wal, I'll give you a chance if you'll let me look through yours fust."

"Mr. Bennett!" cried Myra, imploringly.

Mr. Goodwin was distressedly speechless.

"Guess we'd better do it. Guess I'd better go after the constable and hev it done square," said Mr. Bennett.

And he reached up to the clock-shelf and took down his second-best hat which lay there.

And then they all saw—the little gold scarf-pin, lying on the spot which the hat had covered. And Myra and Mr. Bennett saw, also, the shining, gold-bowed spectacles, shoved to the back of the shelf.

Mr. Bennett gasped. His honest old face turned from red to white, and his knees trembled so that he sank to a chair.

"Wal," he muttered tremulously, and was weakly silent.

Mr. Goodwin went across the room to him hastily.

"I hope you don't think, Mr. Bennett, that I attach any meaning to this circumstance—that it has roused any suspicion? Please don't. Indeed it has not. I am certain—of course—it can be explained."

Mr. Bennett looked at Myra confusedly.

"Fust," he said faintly, "I want to call your attention to them glasses, Myry; I recollect putting 'em up there. Yis, I put 'em there."

Myra stared at them, looked at Mr. Bennett and at Mr. Goodwin, smiled and ended with a somewhat hysterical laugh.

Mr. Bennett looked up at his visitor.

"Wal, you won't believe what I say, young man," he said gloomily, "and 'tain't to be expected."

"Believe you?" said Mr. Goodwin, earnestly. "Don't pain me by repeating that, sir! I am not so foolish as to be misled by a mere incident of this sort. I know your explanation will make it clear."

Mr. Bennett winced.

"Charity's a good thing," he confessed, humbly, "and I can't never tell you how grateful I am to you, young man. Them was noble words in this here case. Wal, that pin of yours—I'm consider'ble absent-

minded, Mr. Goodwin—I picked it off the floor jest after dinner: I recollect it now. And not knowing whose 'twas, nor where it belonged, I jest put it up there under that hat; thought t'would be safe till I found out who it belonged to; and it went clean out o' my head, jest as such things do."

"Don't say another word, sir" said the young man, eagerly, with sympathetic, admiring eyes on Myra—"don't for my sake!"

But it was for Myra's sake.

"I'm an old fool, Myry," said Mr. Bennett, an hour and a half later, when Mr. Goodwin had gone down the path with light-hearted briskness, and Myra was finishing the dishes, her eyes shining and her cheeks flushed. "I'm an old fool, and I've been a trial to you, and you've stood it like a major, and so did he, and I shan't forget it. When you go to keeping house for him, stid o' me—"

"Mr. Bennett!" said Myra, shyly.

"Oh, wal, that's coming; I can see it plain; and when it does come you shan't want for a setting-out as good as I'd give a girl o' my own. You deserve it, and so does he," said Mr. Bennett, devoutly.—
Saturday Night.

Little Girl—Mrs. Brown, ma wants to know if she could borrow a dozen eggs. She wants 'em to put under a hen.

Neighbor—So you've got a hen setting, have you? I didn't know you kept hens.

Little Girl—No'm, we don't, but Mrs. Smith's goin' ter lend us a hen that wants to set, an' ma thought if you'd lend us some eggs we've got the nest ourself.

Doing good is the certainly happy action of a man's life.—*Sir Philip Sidney.*

In prayer, it is better to have a heart without words than words without a heart.—*Bunyan.*

THE KITCHEN.

RECIPES.

Oyster Fritters.

Drain off the liquor and add to it a cup of milk, three eggs, salt and pepper and flour enough to make a thick batter; stir in the oysters; drop from a large spoon into hot lard to fry.

Oyster Stew.

One quart of oysters, one cupful of milk, and a piece of butter the size of an egg. Dip the oysters from the liquor, put them in a saucepan with butter, put them on the fire until the butter melts, then add the milk with a teaspoonful of flour mixed in with it; add a little mace and pepper and salt; let it boil up once and serve immediately.

Oyster Croquettes.

Scald and chop fine the hard part of the oysters; add an equal weight of mashed potatoes; to one pound of this add a lump of butter the size of an egg, a teaspoonful of pepper and a quarter teacup of cream. Make in small cakes, dip in egg and then in bread crumbs, and fry like doughnuts.

Oysters On Toast.

One pint of oysters and one tablespoonful of flour, one tablespoonful of butter, a little salt and pepper; melt the butter and stir in the flour; put in the oysters and boil up once; then add the salt and pepper and a cup of cream. Toast six slices of bread and pour the oysters over it.

Oyster Pie.

Line a buttered baking-dish with pastry and place in it a layer of fine large oysters. Rub two tablespoonfuls of butter smooth

with as much flour and place small bits of it here and there on the oysters. Sprinkle with pepper and salt. Follow this with another layer of oysters, dotted with butter and seasoned as before. Continue this process until the dish is full. Pour in enough oyster liquor to fill the dish within an inch of the top, and cover all with a rich pastry. Bake until a delicate brown, rub over with a little butter or white of egg, and serve hot.

Griddled Oysters.

Drain a quart of oysters; have ready a hot griddle well buttered and cover with oysters; turn the oysters as they brown, and send to the table hot.

Oyster Omelet.

Stew half a dozen large, plump oysters over a clear fire in their own liquor; take them off at the first boil; drain them, cut them in halves and spread over the omelet before turning. If large and solid the half-dozen will suffice for two small omelets.

THAT'S THE WAY THE MONEY GOES.

Towels are used for holders.

Napkins are used as dishwipers.

Soap is left to soak in water.

Clothes are whipped to pieces in the wind.

Hams and cheese mold and get full of "skippers."

Tea, coffee and spices stand open and lose their strength.

A pint, more or less, of dough is left sticking to the bread-pan.

The cork is left out of the molasses jug and flies take possession.

SPECIAL MENTION.

CANNED MEAT for POULTRY.

We have no hesitancy in recommending the poultry food of the HOLLIS DRESSED MEAT & WOOL Co. It is finely chopped mutton, cooked, seasoned and put up in eight pound cans, and comes cheap. Well known, prominent poultrymen extol it, and it seems very reasonable that a good fresh meat, cooked, seasoned and ground fine so as to be mixed with the soft food of poultry, would be a great help in the business. It is packed in hermetically sealed eight pound cans. Containing, as it does, needed elements of nutrition, and being fine and sound, it is superior to anything that is known for causing chickens to grow rapidly and become strong and healthy. It is not a stimulant, but is just what its name implies—a food. You can do no better than to send for a trial can.

David E. Foutz.

Few can be found now who are unacquainted with this name. His powders and remedies have entitled him to be called the friend of dumb animals and no owner of horses or cattle should be ignorant of the merits of his productions. Commencing in a small way in this city years ago, his remedies have now become well known throughout our own country and penetrated even to the old world cattle fields.

A Valuable Compliment.

Every package of butter in competition at the recent Dairymen's Association meeting which took a prize or a sweepstakes prize was colored by Wells and Richardson Company's butter color. This would seem

to be the nature of a very large compliment to a well known article of local manufacture, which, by the way has been very much improved lately. We congratulate the manufacturers upon this splendid tribute to the value of the improved butter color.—*Burlington, Free Press*,

Stonebraker Chemical Co.

We wish to call the attention of our farmers to the Stonebraker goods advertised on the last page of our cover. Their reputation is something marvellous, and they are, as popular remedies, becoming a necessity of the farm. When the genuine ones are procured from their authorized agents, in almost every country village, they are reliable. They only ask a trial of them, to be certain of their future use. If not to be had in your locality address them in Baltimore.

BUIST'S SEEDS.

We beg to call the attention of our readers to the advertisement in another column of R. Buist, Jr., one of the old stand-bys in the Seed Business. Market gardeners and every one that plants seeds cannot go astray when they deal with such reliable houses.

1828.

Noah Walker & Co.

Few houses in Baltimore, and no other in the clothing trade, can claim to an age of 61 years. It is always refreshing when we can refer our readers to houses of this character. Old, substantial, built on

the principles of integrity, with unlimited capital, their business rules are applied to all with equal exactness. They will sell the cheapest article with the same care as the most costly and all customers have alike the most courteous attention. Their new numbers are 119 and 121 East Baltimore st.

Listers Agricultural Chemical Works.

The Almanac and Memorandum book of this substantial firm reminds us of the success which has attended an upright business career covering a period of thirty nine years. Their fertilizers have spoken for themselves—those using them generally returning to secure additional quantities.

Business College.

For some time we have had it in mind to call the attention of our readers especially to Eaton and Burnetts Business College, Cor. of Charles and Baltimore streets. We have the utmost confidence in this institution as fulfilling all its promises to its patrons. Send for their catalogue. It has become an assurance of a successful business career for young men to graduate from this College acceptably.

The Poultry Monthly.

We have received during the past year a great amount of pleasure, in the examination of The Poultry Monthly of Albany, N. Y. Its columns are always rich in just the information needed by poultry keepers and farmers who have a flock for their own gratification. Many of its plates are beautiful chromos, and all are worth examination. The price is \$1.25 a year. We will send it together with the Mary-

land Farmer for \$1.75. Send us your subscriptions for both. They occupy different fields and it will pay you well to subscribe to both.

Advertising Agents.

ALDEN & FAXON, Newspaper Advertising Agents, Nos. 66 and 68 W. Third Street, Cincinnati, Ohio, have just issued a very neat Catalogue of the leading American and Canadian newspapers. It is very attractively gotten up, the typographical work being above reproach. A very interesting feature of this catalogue is the publication of sample advertisements, and instructions to new advertisers as to the best method of making money out of newspaper advertising. This firm are especially good counsel in the direction of newspaper advertising, from the fact they have written the advertisements and made successful some of the most prominent firms in the United States. This list will be sent free on application.

Garrett Fence Machine.

The Garrett Fence Machine makes friends wherever it goes, on account of its simplicity of construction, durability of all its parts, perfect tension device, great saving of labor and money. There are hundreds now in use throughout the United States, Canada and Mexico. The fence made by it is the best, cheapest, and most durable farm fence that can be made. Guaranteed to give satisfaction or money refunded.

Reference: Citizens National Bank, or any other banking or business firm in Mansfield. One machine at wholesale where I have no agent.

Fencing material, wire cutters &c. at wholesale to my customers for machines.

I will pay freight. Send for catalogue and testimonials from customers in all parts of the country. Address the patentee and manufacturer,

S. H. GARRETT, Mansfield, O.

RIDDLES.

Answers next Month.

1. Who are the most regular church goers?
2. Who patronise the pen the most?
3. In entering a room where should a chair always stand?
4. My first the ladies do,
My second lovers cherish,
My whole keeps out thieves.
5. Worn by mothers and used by mothers to make their sons smart?
6. Why are lovers like fishermen?
7. What is the best remedy for a smoky chimney?
8. Why is a cigar like a chimney?
9. Why are riches like a kiss?
10. What is it that everybody watches and yet nobody wants to see?
11. When is a doctor most annoyed?
12. Why are A E and U the handsomest of the vowels?
13. What is that which has never been felt, seen or heard and yet has a name?
14. What holds all the snuff in the world?
15. What fishes have their eyes nearest together.
16. He loved her. She hated him, but woman like, she would have him, and she was the death of him. Who was he?
17. If a church be on fire, why has the organ the smallest chance to escape?
18. When is a man like a cannon ball?
19. How can you learn the value of money?
20. How many sticks go to the building of a crows nest?
21. What does every baldheaded man put on his head?

22. When will the alphabet be shortened?

23. How do you pronounce Bac-kac-he?

24. Who was our first citizen?

25. Why is the crow a brave bird?

26. What is the difference between water and time?

27. Why is the letter K like flour?

28. What is most like a man?

29. Where is happiness found?

30. What is the difference between six dozen dozen and half a dozen dozen?

BOOKS, CATALOGUES. &c.

We are favored with many Catalogues of seeds, flowers, plants and nursery stock, most of which are sent free, but we advise our readers to enclose a stamp to help in the postage account, for we know from experience that postage runs into the hundreds of dollars rapidly:

Vick's Floral Guide, Rochester, N.Y. as usual "a thing of beauty."

Cole & Brother, Pella, Iowa, Garden, Farm and Flower seeds.

Z. De Forest Ely & Co., Philadelphia, Pa., Garden Manual.

Walter A. Wood, Hoosick Falls, N. Y., Harvesting Machines.

M. Crawford & Son, Cuyahoga Falls, O., Spring Catalogues of strawberry plants.

The Iowa Seed Co., Des Moines, Iowa, a good and useful catalogue of flower, vegetables and field seeds.

The Catalogue of American Wild Flowers of Edward Gillett, Southwick, Mass.

The Seed Catalogue of J. A. Everett & Co., Indianapolis, Ind., abounds in the exhibition of remarkable fruit and vegetables in addition to the ordinary supply.

W. W. Rawson & Co., Boston, Mass., a beautiful and extensive Seed Catalogue.

P. K. Dederick & Co. Albany, N. Y., their Catalogue of presses, Etc., is worthy of study before purchasing, and their offers are eminently honorable.

We have received from the various Experiment Stations, bulletins and reports, which the accumulation of labor in our office incident to the beginning of the year has prevented us from examining as thoroughly as we wish to do.

The Journal of Commerce, Baltimore, Md. comes to us in new form and improved appearance. With its great facilities and pains-taking, it gives reliable data and should secure the especial patronage of all who deal in grain and flour.

The "Paper and Press," Philadelphia, Pa; Monthly. The January number contains 89 pages, quarto size, with covers. \$2.00 a year. It is a fine publication, perfect in paper and print, and devoted to the paper trade.

The Plant and Seed Catalogue of John A. Salzer, La Crosse, Wis., is worthy of especial attention, not only for its beauty, but for the many specialties which it brings to the notice both of farmers and gardeners. Northern grown seeds also have quite a reputation for Southern culture, notably cabbage, peas, and early corn.

Northrop Braslan and Goodwin, Minneapolis, Minn., send us theirs with the Kentucky Wonder melon on the front and the Imperial Geneva Pansies on the back cover, both beautiful.

Samuel Wilson's Catalogue, Mechanicsville Pa., of good size for constant reference, and includes flower garden and field seeds.



How to Cure
Skin & Scalp
DISEASES
with the
CUTICURA
REMEDIES.

THE MOST DISTRESSING FORM OF SKIN and scalp diseases, with loss of hair, from infancy to old age, are speedily, economically and permanently cured by the CUTICURA REMEDIES, when all other remedies and methods fail.

CUTICURA, the great Skin Cure, and CUTICURA SOAP, an exquisite Skin Beautifier, externally, and CUTICURA RESOLVENT, the new Blood Purifier internally, cure every form of skin and blood diseases from pimples to scrofula.

Sold everywhere. Price, CUTICURA, 50c; SOAP, 25c.; RESOLVENT, \$1. Prepared by the POTTER DRUG AND CHEMICAL CO., BOSTON, MASS.

Send for "How to Cure Skin Diseases."



Pimples, blackheads, chapped and oily skin prevented by CUTICURA SOAP.



Relief in one minute, for all pains and weaknesses, in CUTICURA ANTI-PAIN PLASTER the only pain-killing plaster. 25c.

ESTABLISHED OVER 40 YEARS.

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ABSOLUTELY PURE ANIMAL-BONE

FERTILIZERS

WARRANTED.

PRICES LOWER BY COMPARISON THAN ANY GOODS IN THE MARKET.

SEND FOR CIRCULARS.

Joshua Horner, jr. & Co.,

Bowly's Wharf and Wood Street,

BALTIMORE, MD.

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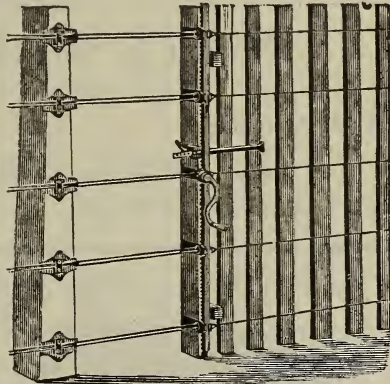
IMPROVED Butter Color.

EXCELS IN { STRENGTH
PURITY
BRIGHTNESS

Always gives a bright natural color, never turns rancid. Will not color the Buttermilk. Used by thousands of the best Creameries and Dairies. Do not allow your dealer to convince you that some other kind is just as good. Tell him the BEST is what you want, and you must have Wells, Richardson & Co's Improved Butter Color. Three sizes, 25c. 50c. \$1.00. For sale everywhere. **WELLS, RICHARDSON & CO. Burlington, Vt.**

INSECTS & FRUIT TREES
Can be destroyed by spraying the trees with London purple dissolved in water. For full directions and improved outfit for Hand or Horse Power at **BOTTOM CASH PRICES**, address **FIELD FORCE PUMP CO. Lockport, N.Y.**

The Garrett Fence Machine.



\$20 FENCE MACHINE FOR \$10
Freight paid. Guaranteed. Hundreds in use. Circulars free. **S. H. Garrett, Mansfield, O.**

H. S. MILLER & CO., PURE ANIMAL BONE FERTILIZERS.



Special
**HIGH GRADE MANURES,
FOR ALL CROPS.
GROUND BONE,
PURE BONE MEAL.**

Send us your Address.

☐ Descriptive Pamphlets Mailed Free.

202-206 BUCHANAN'S WHARF, BALTIMORE, MD

Home Office and Factory, Newark, N. J.

ESTABLISHED 1825.

Write for illustrated Price List.

BEST
EXTRA EARLY PEAS.
DWARF
WHITE MARROWFAT PEAS.
SEEDS OF ALL KINDS.

Best Quality.

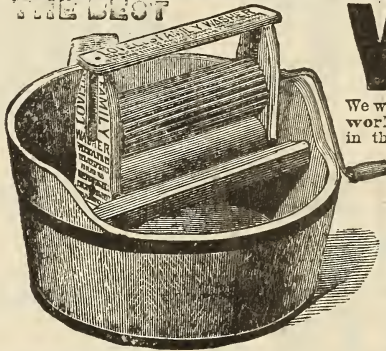
Lowest Prices.

J. BOLGIANO & SON,

28 S. CALVERT STREET,

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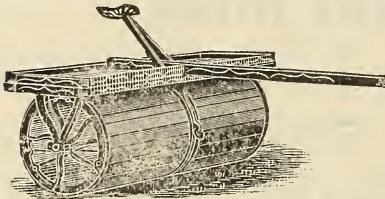
THE BEST



WASHER

We will guarantee the "LOVELL" WASHER to do better work and do it easier and in less time than any other machine in the world. Warranted five years, and if it don't wash the clothes clean, without rubbing, we will refund the money.

AGENTS WANTED in every county. We CAN SHOW PROOF that Agents are making from \$75 to \$150 per month. Farmers make \$200 to \$500 during the winter. Ladies have great success selling this Washer. Retail price only \$5. Sample to those desiring an agency \$2. Also the Celebrated **KEYSTONE WRINGERS** at manufacturers' lowest price. We invite the strictest investigation. Send your address on a postal card for further particulars.
LOVELL WASHER CO., ERIE, PA.



FOR PRICES AND CIRCULARS OF

Bob Sleighs and Land Rollers

— WRITE —

THE CASTREE-MALLERY CO., FLINT, MICH.,

Manufacturers of the Celebrated

Star Brand of Agricultural Implements.

Mention this Paper.

ENGLISH SILVER STEEL NEEDLES,

Enables us to give

Three Papers, one of them Darning Needles,

To each Subscriber paying one year in advance.

These needles are sold at large prices and only first-class houses keep them.

THE MARYLAND FARMER,
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DIAMONDS.

American and Swiss Watches.

Latest Novelties in Jewelry. Solid Silver & Plated Ware.
Clocks, Bronzes, Artistic Pottery, Fancy Goods.

We call special attention to the Vacheron and Constantin Watch, finely finish and keeping correct time, as any selling for double the price. Medals and Badges for Schools. Reliable Goods. Reasonable Prices.

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(Of the late firm of Canfield Bros. & Co.)

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ELEGANT SETS OF TEETH FROM \$5.00 UP.

Gold and Silver Fillings \$1.00 and Up.

PRESERVE YOUR TEETH BY USING DR. GILLS' DENTIFRICE,
BEAUTIFY, CLEANSE AND PRESERVE.

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36 WEST BALTIMORE STREET,

OPPOSITE HANOVER,

Are Showing the Largest Assortment of

CARPETS, OIL CLOTHS, ETC.

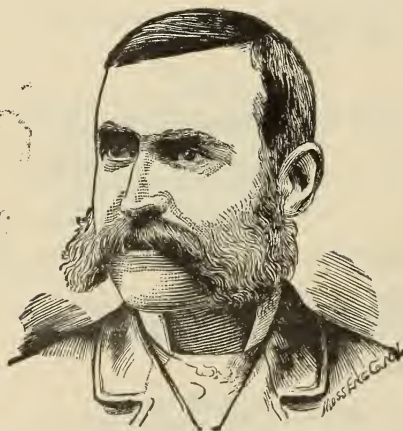
EVER DISPLAYED IN BALTIMORE.

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A LARGE LINE OF

LAST -- SEASON'S -- STYLES

AT ABOUT

ONE HALF TO THREE QUARTERS VALUE,**AN INSPECTION INVITED.**

Green has had thorough experience for many years, particularly with small fruits, and is a sprightly and vigorous writer."—J. J. Thomas. "It gives promise of usefulness. It is seldom so much good material is given at so low a price."—Thos. Meehan. "Its tone and teachings are good."—Geo. W. Campbell.

From *The Rural New Yorker*:—"We believe Mr. Green to be a square, hard working young man, of rare originality. He has written some of the most forcible, pregnant little articles we have ever read."

The New York Tribune says: "Chas. A. Green's articles are always instructive and sprightly."

HOW TO GROW FRUIT.

Notice below liberal Clubbing Offers, by which you get about free of cost **GREEN'S FRUIT GROWER**, one year, and **Green's Five Books** on Fruit Culture, under one cover, embracing: 1st, Plum and Cherry Culture; 2d, Raspberry and Blackberry Culture; 3d, Apple and Pear Culture; 4th, Guide to Grape Culture; 5th, Guide to Strawberry Culture.

Matthew Crawford says, "Each number contains more information than any one issue of any other publication." "Your books have been worth \$50 to me," says another grower. The *Vineyardist* says: "We regard it as among the most reliable horticultural publications." The five books contain the experience of one who began at the bottom and worked his way up to success.

President J. M. Smith says, "It is as good if not the best upon the subject that I ever read." "I am pleased with **THE FRUIT GROWER**. I predict success and a large list of patrons."—Marshal P. Wilder. "It is full of interesting and valuable matter; Mr.

Given free with one subscription to the Maryland Farmer, or the five books sent for 25 cents.

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Cheaper than the Stump Puller.

Can be transported and handled with perfect safety. Send for pamphlet and price-list to

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READY MIXED PAINTS.

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Will make Hens lay!

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AND GOOD FOR

MOULTING FOWLS.

This food is strictly fresh meat, carefully cooked, ground fine, seasoned and hermetically sealed in tin cans.

Being ground fine, it can be readily mixed with the soft food, and fed so as to give each fow an equal share. Price, 30c. per can; \$3.00 per dozen. Address,

HOLLIS DRESSED MEAT & WOOL CO.,

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Minorcas ^{White & Black} Langshans ^{WHITE} Dorkings and Red Caps

ENGLISH
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MASTIFF DOGS

White P. Rocks, White Wyandottes, L. Brahmas, Buff Cochins, Pekin, and other Bantams, Pekin Ducks, Fancy Pigeons, &c. **BEST INCUBATOR AND BROODER.** Stamp for Circular. J. L. HARRIS, Cinnaminson, N. J.

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Beautiful and Healthy Locations on the Chesapeake Bay and Tributaries, where the finest Fish, Oysters and Game abound. Lands adapted to the growth of Grain, Fruits, Vegetables

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Farms taken for sale in all parts of the State.

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has revolutionized the world during the last half century. Not least among the wonders of inventive progress is a method and system of work that can be performed all over the country without separating the workers from their homes. Pay liberal; any one can do the work; either sex, young or old; no special ability required. Capital not needed; you are started free. Cut this out and return to us and we will send you free, something of great value and importance to you, that will start you in business, which will bring you in more money right away, than anything else in the world. "Grand outfit free." Address TRUE & Co., Augusta, Maine.

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Of all Kinds

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Fixtures, Ornaments, &c., &c.

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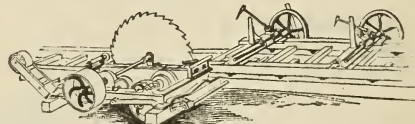
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Children suffering from these destructable parasites can't be relieved by so-called worm lozenges which only tickle the palate. The time-tried tested cure is B. A. Fahnestock's Vermifuge. As you value the life of your child, don't wait until spasms and incurable sickness seize it, but get this reliable remedy at once; it never fails.

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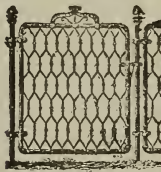
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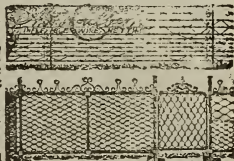


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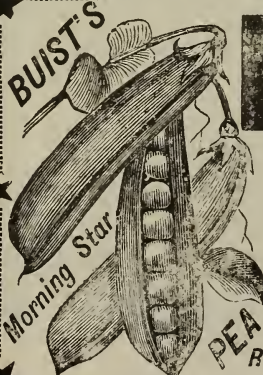


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Don't BUY FENCING
Until you get our Price List of Or-
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Hulbert Field Loom for both Picket
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Galvanized Steel fence lasts forever.
Donations for churches and ceme-
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Catalogue free; write for estimates.
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Are the **PRIZE MEDAL BRAND**, because
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STOCKS, and produce the **Best Vegetables**.
GARDEN GUIDE for 1889 now ready.
WITH PRICES AND SPECIAL DISCOUNTS.

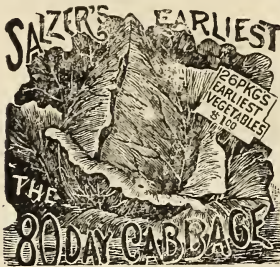
It contains complete list (with illustrations) of
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together with collection of **NOVELTIES** of
superior merit. We will mail you a Cata-
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MORNING STAR PEAS (the Earliest in the world)

On receipt of Ten Cents to cover postage. Address
ROBERT BUIST, Jr., Seed Grower, Philadelphia, Pa.

GRAPE VINES

Headquarters and lowest rates for
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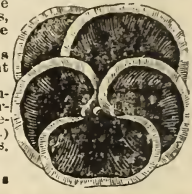
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25 Packages Earliest Vegetable Novelties postpaid \$1.00. These are all different - sufficient for a family garden.
SEND 6c for Package 80-Day Cabbage and Superbly Illustrated Catalog - containing a bewildering Collection of Beautiful Flowers, Early Vegetables, New Wheat, White Wonder Oat (213 bu. per a.) Lucerne Clover, Etc. Warehouse area over 2 acres.

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100,000 HEARTS
MADE
GLAD
**BOLEY'S
NORTHERN SPY
POTATO**
THE GREATEST DISCOVERY
SINCE THE ADVENT
OF THE **EARLY ROSE**
6 TO 8 HUNDRED BUSHELS
TO THE ACRE
UNDER 47 SWORN
TESTIMONIALS.
100,000
HOMES
MADE HAPPY

SEEDS AT YOUR DOOR AT WHOLESALE PRICES.

Have grown a large quantity of the following choice and valuable seeds the past season, and in order to introduce them, with our wonderful new potato into 100,000 homes we make the following **UNPRECEDENTED OFFER**: For \$1.00 in postage stamps or money, we will send a box postpaid containing one packet each of the following **NEW AND IMPROVED SEEDS**, and one medium-sized tuber of **BOLEY'S GREAT NORTHERN SPY POTATO**, the greatest discovery since the advent of the **EARLY ROSE**.
Wilson's Early Blood Turnip Beet, earliest and best. Bastian's Half-Long Winter Beet, best variety. Wilson's Best of All Pole Beans, good for snap shorts in winter. Wilson's Best of All Bunch Beans, rich, tender, and buttery. Early Advance Cabbage, best and earliest. Wilson's Premium Flat Dutch Cabbage, best late variety. Early Green Cluster Cucumber, best for table use. Wilson's Long Green Cucumber, best for pickles. New Cory Sugar Corn, the earliest in the world. Wilson's Large Evergreen Sugar Corn, sweet and delicious. California or Golden Pop Corn, best variety. New Self-Blanching Celery, extra quality, needs no banking up. Wilson's Extra Early Lettuce, heading sort. Jordan's Gray Monarch Watermelon, very large, sweet, and sugary. Miller's Cream Nutmeg Melon, best flavored in cultivation. Improved Round Yellow Danvers Onion. **NEW SPANISH KING ONION**, 3 pound onions from seed first year. Abbot's Improved Sugar Parsnip. Ruby King Pepper, finest, largest, sweetest pepper ever seen. **JUMBO, of CALIFORNIA**, the largest pumpkin in the world; has weighed 100 lbs. Early Rosy Gem Radish, best and earliest. New Chartier Radish, best summer variety. White Pineapple Squash, good for pies, keeps all winter. Early Summer Butter Squash. Turner's Hybrid Tomato, best and finest ever introduced. **NEW ZEALAND FIG TOMATO**, excellent for preserving; cured and dried, equal to the best figs. Munich Strap-Leaf Turnip, tender, sweet. Golden Globe Ruta Baga, best for table use. **VEGETABLE PEACH**, easily grown from seed first year; makes pies or preserves equal to the best peaches. Sample packet of Wilson's True Leaning Corn, the earliest and best field corn in cultivation. New Mammoth Zinnia, double as a Dahlia, bright as a rose. Washington Astera, very large all bright, beautiful colors. Giant German Pansies, best mixed, in all.

33 FULL-SIZED PACKETS, with DIRECTIONS FOR CULTIVATING, and ONE whole POTATO for \$1.00
FIVE boxes \$4.00, TEN boxes \$7.00, post paid. Address plainly

Mention this Paper. **SAMUEL WILSON, MECHANICSVILLE, ROCKS COUNTY, PENNA.** OUR BEAUTIFUL, ILLUSTRATED and DESCRIPTIVE 144-PAGE CATALOGUE ACCOMPANIES EACH ORDER.

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100 VARIETIES. Headquarters of the MOVING. Earliest and Best, Reliable Red Grape now first offered under seal. Also Small Fruits, Trees, Etc. 8 Sample Vines. LEWIS ROESCH, FREDONIA, N. Y. mailed for 15 cents. Illustrated descriptive Price List free.

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TREES FRUIT AND ORNAMENTAL. ROSES GRAPES

of every class. The finest

SHRUBS--EVERGREENS--SMALL FRUITS.

We offer the largest, most complete and carefully cultivated collections in the United States. Every PLANTER should send for OUR ILLUSTRATED AND DESCRIPTIVE CATALOGUES, which give information of the highest importance. FREE to all REGULAR CUSTOMERS; To others: No. 1, Fruits, 10 Cents; No. 2, Ornamental Trees, etc., Illustrated, 15 Cents; No. 3, Strawberries; No. 4, Wholesale; No. 5, Roses. FREE. Mention this Publication.

ELLWANGER & BARRY, ROCHESTER, NEW YORK.

SALZER'S WHITE WONDER OATS

PROLIFIC

2 1/3 BUSH PER ACRE

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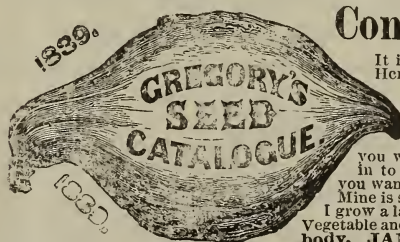
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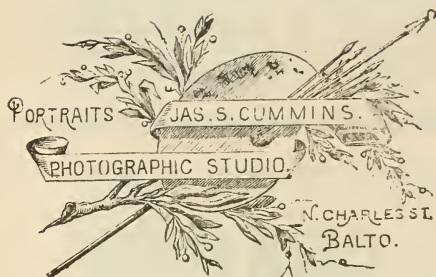
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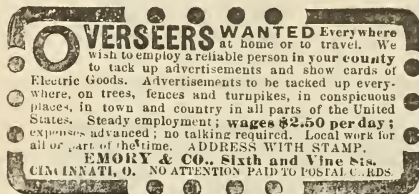
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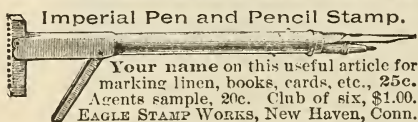

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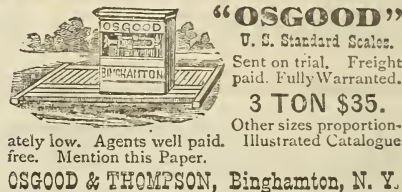
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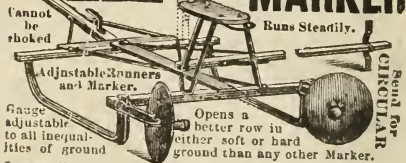
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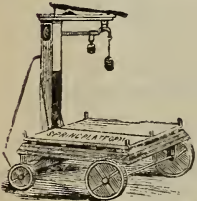
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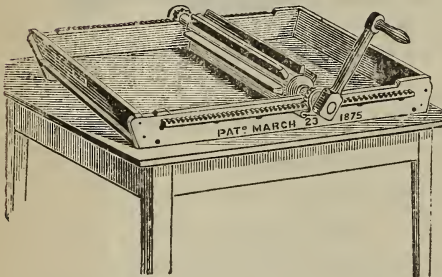
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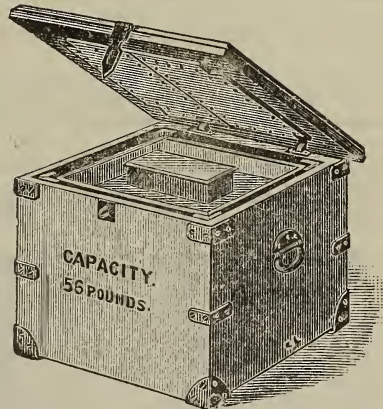
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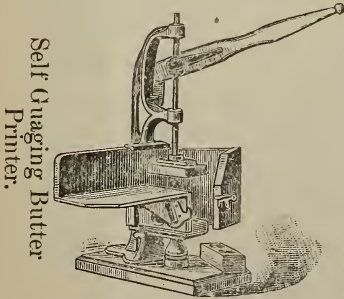
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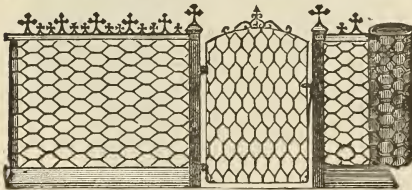
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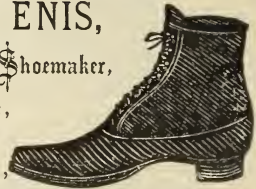
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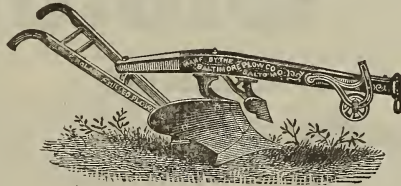
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And many other varieties of Cast Plows.

Repairs for the Oliver Chilled Plows,

At Prices to Compete Direct with Manufacturers.

We also manufacture repairs for most varieties of plows, sold since the war, in the Middle and Southern States—including

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CASH

300
STEM-WINDING
WATCHES

\$10,000
CASH

CASH

100
DIAMOND
RINGS.

GIVEN FREE TO SUBSCRIBERS. + GIVEN FREE TO SUBSCRIBERS.

Read and Learn!

Guess and Win!



So successful was our last contest, when we gave away \$5,000 to subscribers, December 25th, that we have decided to make a still more liberal offer of \$10,000 IN CASH, 300 STEM-WINDING WATCHES and 100 DIAMOND RINGS, TO BE GIVEN AWAY APRIL 25th, 1889.
A pint of ordinary rice, such as can be bought anywhere, has been placed in a pint (wine) measure even full, then poured into an ordinary pint glass preserving jar and sealed. The jar has been deposited with the North River Safe Deposit Company, and cannot be opened or counted till the expiration of this contest, April 25th, 1889.

THE FOLLOWING 8,189 PRESENTS WILL BE GIVEN TO THE 8,189 SUBSCRIBERS MAKING THE BEST GUESSES AS TO THE NUMBER OF KERNELS OF RICE THE JAR CONTAINS.



1 Present to the Subscriber Guessing the Correct Number of Kernels,	\$2,000
7 present to the Subscriber guessing nearest the correct number,	1,000
1 present to the Subscriber making the next best guess	500
1 present to the Subscriber making the next best guess	250
5 presents to the 5 Subscribers making next best guess, \$100 each,	500
10 presents to the 10 Subscribers making next best guess, 50 each,	500
20 presents to the 20 Subscribers making next best guess, 25 each,	500
50 presents to the 50 Subscribers making next best guess 10 each,	500
100 presents to the 100 Subscribers making next best guess, 5 each,	500
200 presents to the 200 Subscribers making next best guess, 2.50 each,	500
500 presents to the 500 Subscribers making next best guess, 2 each,	1,000
2,250 presents to the 2,250 Subscribers making next best guess, 1 each,	2,250

3,139 Presents, Amounting to \$10,000

NO CHARGE.—We make no charge for the guess, but in order to introduce our old and homes, we require each one answering this to become a subscriber for at least six months and send us 50 cents in postage stamps or cash, which entitles you to one guess, or 50 cents for a yearly subscription, which entitles you to two guesses or \$1 for a two years' subscription, which entitles you to four guesses.

The Jar will be opened and grains of Rice counted April 25th, 1889, by a Committee chosen by the subscribers

Should no one guess the correct number, then the one guessing nearest will receive the first present of \$2,000. Should two or more persons guess the correct number, then the one whose guess is first received will receive the \$2,000, and the next the \$1,000, and so on.

YOUR SUBSCRIPTION FREE!—For a Club of Five Yearly Subscribers, accompanied by \$2.50 Cash, we will send one extra subscription. For a Club of Ten and \$5.00, we will send two extra subscriptions. For a Club of twenty and \$8.00, we will send five extra subscriptions. For a Club of forty and \$20.00, we will send ten extra subscriptions. Each Club is entitled to two guesses, and the better up of the Club is entitled to two guesses for each extra subscription. Put Club-raisers' Guesses on separate slip of paper.

THE AMERICAN HOMESTEAD is the title of one of the largest, handsomest, and best publications issued from Jersey City. It contains eight large pages, 48 long columns, completely filled with newest and choicest reading for every member of every American home. The subscription price has been reduced to only 50 cents a year, which affords more choice reading matter for the money than almost any other publication in the United States.

DIAMOND RINGS AND WATCHES FOR CLUBS. In order to obtain a large list of subscribers before APRIL 25th, we will give away 100 GENUINE DIAMOND RINGS to the FIRST ONE HUNDRED PERSONS SENDING US A LIST OF SUBSCRIBERS WITH NOT LESS THAN \$10 IN CASH, and to the next 300 PERSONS WHO SEND US A LIST OF SUBSCRIBERS, AND NOT LESS THAN \$5. WE WILL GIVE AN ELEGANT GOLD PLATED STEM WINDING WATCH.

We have been so long before the public that it ought to be a sufficient guarantee that we will do as we agree. If we are unknown to you any bank, commercial agency or publisher in N. J. will tell you who we are. None may be sent by Postal Note, Registered Letter, or P. O. Order. Address.

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CUT THIS OUT AND SECURE A CLUB. IT WILL NOT APPEAR AGAIN.

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No HORSE will die of COLIC, BOTS or LUNG FEVER, if Foutz's Powders are used in time. Foutz's Powders will cure and prevent HOG CHOLERA. Foutz's Powders will prevent GAGES in FOWLS. Foutz's Powders will increase the quantity of milk and cream twenty per cent., and make the butter firm and sweet. Foutz's Powders will cure or prevent almost EVERY DISEASE to which Horses and Cattle are subject. FOUTZ'S POWDERS WILL GIVE SATISFACTION. Sold everywhere.

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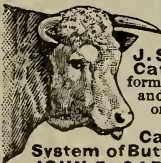
When I say cure I do not mean merely to stop them for a time and then have them return again. I mean a radical cure. I have made the disease of FITS, EPILEPSY or FALLING SICKNESS a lifelong study. I want my remedy to cure the worst cases. Because others have failed is no reason for not now receiving a cure. Send at once for a treatise and a Free Bottle of my infallible remedy. Give Express and Post Office.

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WHICH? BUTTER OR CHEESE.



If either, or both, send for J. S. CARTER'S Illustrated Catalogue, which gives full information of latest and best method and appliances for making Cheese or Butter, from the largest factory to the smallest dairy. Carter's Cream Gathering System of Butter Making is a Success. JOHN S. CARTER, Syracuse, N. Y.

WANTED—Two bushels GOSNELL CORN. Send SAMPLE EAR and price to,
WM P. LADD, Liberty, Virginia.

20 New Hidden Name, &c. Cards, 1 Ring, a present and 16 Samples, all 10c F. LAWRENCE. Devon, Ia.

HEADQUARTERS for genuine HOFFMAN'S Seedling, the coming early Strawberry. Jessie Monmouth, 25 other kinds Raspberries, Blackberries, Trees, Grapes, &c. Pedigree Stock. Catalogue Free. J. W. HALL, Marion Station, Md.

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293 COLUMBUS



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GET THEM BOTH!

The Complete Book of Etiquette and Letter Writing.

This large, new, and comprehensive work is equivalent to three ordinary volumes, its contents embracing Etiquette, Letter Writing and Autograph Album Verses. There is scarcely anything that makes a gentleman or lady more popular among his or her associates than polite and correct deportment at all times. By the aid of the Etiquette Department in this book you will acquire this. It contains the rules of deportment for all occasions, both for ladies and gentlemen, as observed by the best society, including Introduction, Salutations, Conversation, Outdoor Etiquette, Places of Amusement, Social and Dinner Parties, Etiquette of the Ball Room, Visiting, Calling, Receiving Visitors, Correct Deportment in Public Places, in Travelling, Driving and Riding, Table Etiquette, Making and Receiving Presents, a Lady's Obligations to Gentlemen, Courtship, Bridal Etiquette, Wedding Cards, Church Etiquette, "At Homes," "Five O'Clock Teas," Funerals, How to Dress Tastefully, etc., etc. The department of LETTER WRITING contains forms for notes and letters of every kind and for all occasions, embracing both ladies' and gentlemen's correspondence, together with rules of orthography, diction, construction, punctuation, style, etc., and will be found of the utmost practical usefulness. Among the SELECTIONS FOR AUTOGRAPH ALBUMS we have a very large number of verses appropriate to this object—one of the most complete and varied collections ever published—Togetherness with suitable verses for valentines, wedding anniversaries, birthday greetings and banquet presentations. It is a large book of 64 large 3-column pages, neatly bound in colored covers.

The above book and the "Amateur World" (8 page monthly) 1 year, all for 25 cents
AMATEUR WORLD, 27 E. Pratt St. Baltimore Md.

MONEY, DIAMOND RINGS, Solid Gold & Silver Watches Given Away!

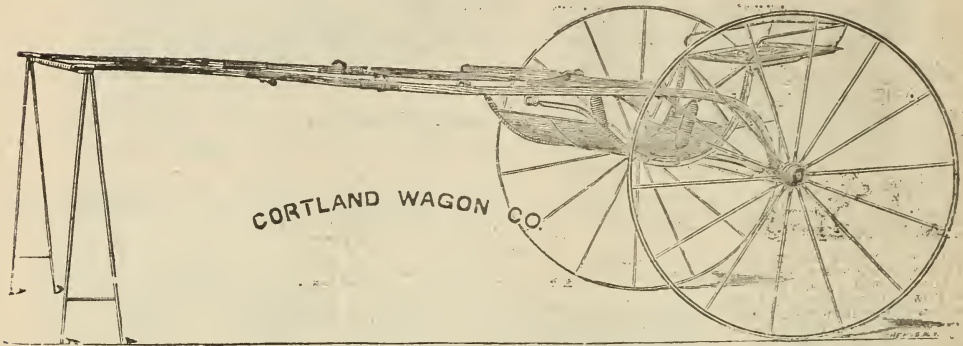
In our January issue we published the first 100 names received in reply to our last Bible verse contest in which we gave away \$225 in cash, a Solid Gold Watch, 25 Solid Silver Watches and 71 Solid Gold and Genuine Diamond Rings.

\$500 MORE to be GIVEN AWAY

We will give to the First 100 PERSONS telling us the longest verse in the Bible before April 15th, the following valuable prizes: To the 1st person giving the correct answer, \$100; 2d, \$75; 3d, \$50; 4th, a Solid Gold Hunting Case Watch; 5th a Beautiful Diamond Ring; to each of the next 25, a Solid Silver Watch; and to each of the next 70, if there be so many correct answers, a Beautiful Solid Gold Ring set with genuine Diamonds. With your answer send 25c. to help cover expense of this adv't. postage, &c., and we will send you our Illustrated 16 page Monthly for 4 months, and our new Illustrated Catalogue of Watches, Diamonds, &c. Our 11th Monthly of April issue will announce the result of the contest with names and addresses of the winners. This offer is made solely to introduce our publication into new homes. We, as publishers, are thoroughly known. "Honesty and Square Dealing," is our motto. Our Monthly was established in 1877. Give full name and address. Stamps taken.

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CONSTRUCTION.

In the manufacture of this wonderful cart only the very best quality of everything is used: Wheels, Kenney patent, A 1 grade; axles steel, double collar, size $\frac{3}{4}$ inch; shafts, best second growth hickory, thoroughly seasoned, XXXX quality. The seat and body frame is constructed of T steel side pieces; bottom made of veneered wood, three thicknesses, thoroughly riveted to side pieces. The side pieces are connected in front under shafts with a joint, and are supported by means of two spiral springs, as shown in cut. These springs are made from best crucible steel, and twelve feet coiled in each; oil tempered; laminated wood seat bottom; forged iron seat rail; finished in the white; nicely striped, and full leather trimmed. This cart guaranteed in all parts.

Carefully Note These Points.

1. This easy-riding cart has no seat bars to climb over in getting in and out of the seat. This makes it desirable for all classes of people.
2. It is the only cart that can be adjusted to suit the road and the weight of the rider. Five seconds will produce this great result.
3. The bottom is solid, in preference to slats so commonly used, which protects driver from dust and mud.
4. Where other carts have from two to three foot spring, the Spiral has twenty-four foot springs, giving more elasticity than any other cart made.
5. It is the lightest draught cart in the market.
6. It balances perfectly.
7. It is free from horse motion.
8. A perfect beauty in appearance.

TO HORSEMEN.

A TEST.—Place two by four scantlings eight or ten feet apart on a road, and then drive over them as fast as your horse can trot or run. We will guarantee that the rider shall not be moved from the seat by such a severe test. Try any other cart and watch the result.

We guarantee the springs for five years. Should they break, we replace them free of charge. Ask any other manufacturer to give you such a warrantee and see what he will say.

If you are told that other carts have no horse motion, it is only when the horse is standing still, for with such carts you surely get a very unpleasant jerking motion, that is entirely avoided with our Spiral Spring Cart.

We have this cart with single and double seat. We also furnish, for doctors' use, a cart with box under the seat, adapted particularly for their profession.

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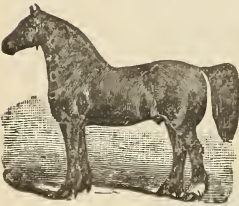
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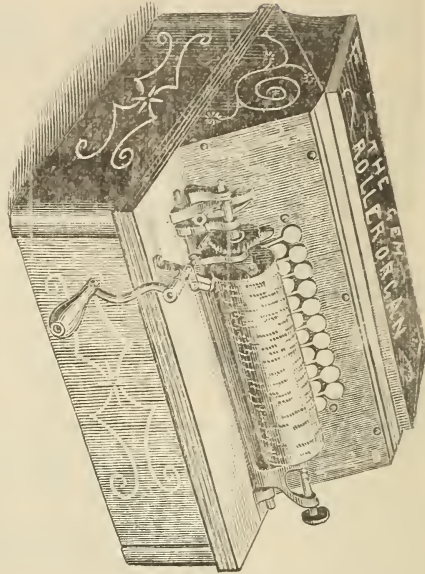
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Ammonia $4\frac{1}{2}$ to 5 per cent. Bone Phosphate of Lime 50 to 55 per cent.

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THE BEST SUPER-PHOSPHATE FOR WHEAT.

Practical tests by farmers for several years give entire satisfaction. Good for all Crops.

Ammonia 3 to 4 per cent. Available Bone Phosphate 28 to 32 per cent.

Use 300 to 400 lbs. per. acre.

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THE GREATEST NOVELTY

IN HARDY ROSES EVER OFFERED.

It originated with us in 1853 is entirely hardy, having endured the rigor of our northern winters without protection. Write us and learn how you can have a Plant of

THIS ROSE FREE

Flowers large and fragrant; color soft, satiny pink, distinctly striped, and dashed with white and carmine; free bloomer; not an old flower in a new name, but a genuine novelty. Price: 1.00, prepaid, and each purchaser can have a copy of

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A Fertilizer that numbers of the best farmers of Maryland, Pennsylvania, Virginia and adjoining States recommend and are willing to testify to its efficacy and value, must be

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A Fertilizer that jealous competitors find it necessary to imitate, and whose principal claims for patronage for their goods rests entirely upon the statement that "**THEY ARE AS GOOD AS ORCHILLA,**" must necessarily be

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This is to certify that I have sold Stonebraker's Chicken Powders for 20 years, and I sell all on warrantee that if used as directed and does not give satisfaction, that I will pay back the price, 25 cents for the package, and in the 20 years sales I have the first one to pay back for yet. I am the largest poultry country dealer in the world, buying direct from the farmers and killing them myself.—I kill from 1500 to 2,000 barrels in a season and have all the chance to experiment with my customers. I have worked ever since the diseases have been so bad in this country to find the best and have tried all kinds, but never found the one I called perfection till I found the Stonebraker's Powders. I have sold hundreds of dozens of the genuine recommended it as the best on earth. Yours to command,

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Sometimes we are asked, Are Stonebraker's Horse and Cattle Powders good for Chickens? We reply no; but says the customer, we can get Horse and Cattle Powders, which read: "Good for Chickens too." That's very true; you can get a so-called Rheumatic cure that is advertised to make hens lay, but that is just why you should not throw your money away for such stuff. You have common sense to see through the deception, and should keep your money in your pocket. Better give it to the poor than invest it in such commodities.

Stonebraker's

Horse and Cattle Powders

are for Horses and Cattle. Give your horses a well-ventilated stable, good dry bed, kind treatment and moderate feed, with Stonebraker's Horse and Cattle Powders in it, and you will always have good horses. For cows it increases the flow of milk, imparts to the butter a nice golden yellow and hardens the fat of the stock. It will cure Pleuro-Pneumonia. It cured Wm. Preston's of Sykesville, after he had lost a number with the terrible disease. He writes: "I am sure I would have lost all my fine dairy stock had I not used Stonebraker's Horse and Cattle Powders." Ask any of your neighbors about Stonebraker's Horse and Cattle Powders, or write us for testimonials from farmers, dairy-men and breeders of fine stock throughout the United States. For Coughs, Colds, Distemper, Lung Fever, Hide-Bound, Heaves, Worms, Epizootic, Black Tongue, Pinkeye, Botts, etc., you will find Stonebraker's Horse and Cattle Powders a never failing remedy.

Dr. Lemay U. S. late Inspector of stock for the State of Maryland says; I take pleasure in recommending Stonebrakers Horse and Cattle Powders as the best and the safest. Since people of ordinary intelligence have discovered a thing recommended good for everything is good for nothing they stick to the genuine Stonebraker's Preparations. The country has been flooded with counterfeits and frauds. If you desire the best and most reliable powders ask for the genuine Stonebraker's.

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Manufacturers and Sole Proprietors,

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